



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
THURSDAY, JANUARY 26, 2023 – 1:30 P.M.**

	Attendance	Cumulative Attendance 7/2022 - 6/2023	
		Present	Absent
Board Members			
Louis Gavin, Chair	P	4	1
Mark Volchek, Vice Chair	P	4	1
David Ash	P	4	1
William Gilbert	P	5	0
Jeff Johnson	A	4	1
Dr. Ed Kwoka	A	3	2
Robert Laughlin	P	5	0
Kevin Macelhaney	A	3	2
Valerie Vitale	P	5	0
John Vratsinas	P	5	0
Non-Voting			
Commissioner Marlon Bolton	P	4	1
Jeff Helyer, City of Oakland Park	P	5	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
Angelia Basto, Senior Financial Administrator
Miguel Laca, Financial Administrator
Linda Blanco, Senior Administrative Assistant

Others

Judith Stern, JSCI/City Charter Board
Stephen R. Martin, AOPA
Tom O'Donnell, Kimley-Horn and Associates, Inc.
Johanna Carter, Sheltair Aviation Facilities, Inc.
Don Campion, Banyan Air Service
Jamie Opperee, Recording Secretary, Prototype, Inc.

CALL TO ORDER

Chair Gavin called the meeting to order at 1:30 p.m.

ROLL CALL

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

APPROVAL OF MINUTES

- **December 1, 2022**

Motion made by Mr. Gilbert, seconded by Mr. Volchek, to approve the minutes of the December 1, 2022 meeting as presented. Motion passed unanimously.

VOTING ITEMS

1. FDOT Public Transportation Grant Agreement for FXE Environmental Assessment of Runway 9 Extension - \$400,000

Mr. Myat provided the presentation and recommended Board approval.

Don Campion, Banyan Air Service, said this was extremely important to them as an FBO. It would allow a plane to fly to Europe.

Board members unanimously approved the FDOT Public Transportation Grant Agreement for FXE Environmental Assessment of the Runway 9 Extension for \$400,000.

2. FDOT Public Transportation Grant Agreement for FXE Fire Rescue Vehicle Replacement - \$425,00

Mr. Myat provided the presentation and recommended Board approval.

Board members unanimously approved the FDOT Public Transportation Grant Agreement for FXE Fire Rescue Vehicle Replacement for \$425,00.

UPDATE ITEMS

A. Noise Compatibility Program

Ms. Pryor reported there had been an increase in calls in 2022 compared to 2021, which she believes it to be an anomaly. She noted that one household had made 158 calls [58% of the total noise reports] in 2022. She included a memo on yearly activity in the Board's packet which shows that there were 16 calls in December. Ms. Pryor indicated that the out-of-service noise monitor is still not operational, however, she sent a message to the FPL project manager, who has not yet responded; therefore, she will be following up with FPL on a weekly basis.

Mr. Helyer offered to assist with FPL because he had experience dealing with FPL on the Public Service Commission.

B. Development and Construction

Mr. Harrison reported the Taxiway Intersection Improvement project was progressing; Taxiway Echo was closed east of Hotel and west of the base of the tower. He anticipated the project would be completed in 90 days.

Operational statistics were included in the Board's packet.

Chair Gavin said the incident report indicated a Tri-R-KIS-TR-1 had experienced engine failure and asked about this aircraft. Mr. Harrison explained this was a home-built aircraft.

C. Arrearages

Mr. James said there were currently no rent or fuel flowage arrearages.

D. Communication to the City Commission

None

E. Other Items

I. Examine "Similar to Scope and Scale" Language for Future Airport Construction Solicitations

Mr. James recalled the discussion at the previous meeting regarding the selection of Weekley Asphalt Paving for the Midfield Run-Up Expansion Project. There was concern that Danto Builders, the low bidder, had not been selected because they did not have airport experience or qualifications. On December 7th, Danto Builders requested the minutes from the December meeting and subsequently indicated they would not be pursuing a dispute regarding award of the contract to Weekley. Moreover, they indicated that they look forward to bidding on other airport-related projects in the future. Mr. James acknowledged Board members' wish to provide opportunities to smaller contractors but noted one significant difference on the Danto Builders bid: budgeting for safety and security was approximately \$25,000, compared to approximately \$200,000 from Weekley Asphalt and General Asphalt. Mr. James remarked on the importance of proper security at the Airport.

II. Airport Leasing Policy

Mr. Harrison said it was time to establish a formal leasing policy, now that the Airport was mature. Over the past several months they have been working with the City Attorney's office and the Airport's outside counsel to develop the Airport leasing policy. Primarily, it would be dealing with formalizing things such as the leasing processes, a formal application process, a formalized response time to an inquiry, prescribed time for negotiations, establishing memorandums of understanding and setting forth lease terms in conjunction with rates and capital improvement requirements. They would provide the

draft document to the prime tenants and request their input. Once that was done, they would bring the document to the Board for review and consideration.

Mr. Laughlin recalled “upheaval” at the City, partly related to an audit report, which included criticism of some Airport policies related to leasing. He felt the Board was perhaps not up-to-date on issues such as this. He acknowledged he knew nothing about the financial condition of the Airport but thought this may be beyond the Board’s charter.

Mr. Harrison confirmed this would address the City Auditor’s request for a formal leasing policy. He stated the finances/budget of the Airport were outside the scope of the Board but agreed to make a 2023 budget presentation if the Board wished. Mr. Laughlin said this knowledge would allow Board members to be better Airport ambassadors to the community.

Mr. James noted that in addition to the annual budget the Airport submitted to the City, the City contracted with Stantec, an outside finance company, to review all departmental budgets to determine where each department was financially. Every year, the remarks from Stantec were that the Airport was in good condition. He agreed to provide a review of last year’s budget, or the Board could wait until May, when they had a proposed budget for 2024.

Mr. James stated the Airport retained Kaplan Kirsch & Rockwell LLP to assist developing the leasing policy. Mr. Vratsinas encouraged the Airport to use local resources instead of a national firm such as Kaplan Kirsch & Rockwell LLP.

III. FDOT Aviation Economic Impact Study

Mr. James said FDOT conducted these studies every four years at all 125 State airports. FDOT consultants visited with Airport tenants and this report was from data collected from 2021 and 2022. Since 2019, there was a 92% increase in economic impact from Florida Airports; it went from \$175 billion state-wide to \$336 billion. He said FXE was ranked the #1 General Aviation Airport in Florida with an economic impact of \$3.9 billion, 22,900 jobs and a payroll of \$1.2 billion. Mr. James said none of this would be possible without Airport tenants because they were the ones investing in their businesses at the Airport. He stated they would work with Strategic Communications to create a video that the Board would view at a later date.

Chair Gavin asked about current availability at the Airport and Mr. James said there was no space currently available for new tenants. In the last Airport Master Plan, they came up with several opportunities to create additional developable space, such as the vacant FAU lot, on which Sheltair could build more hangars. A portion of Taxiway Charlie between Delta and Echo can also be decommissioned for additional hangar development. They also wanted to re-acquire other property that was sold in the 1960s and 1970s.

IV. Challenge Air for Kids and Friends' Fly Day

Ms. Pryor invited Board members to attend the event on January 28. The program was designed to allow local kids with special needs to experience flight and realize that they are not limited by their conditions. She said the organization accepted donations and the public could volunteer. Ms. Pryor said Leslie Horkin at Banyan Air Service was the contact person if you wish to donate money or volunteer your time.

V. Public Comments

Mr. Vratsinas asked about a lease issue at the Airport and Mr. James said one tenant failed to meet the deadline in their lease to complete certain work. The lease language indicated if this deadline was not met, the lease was terminated. The tenant filed for bankruptcy to buy some time to discuss alternatives. Mr. James said when there was a default, this was presented to the Board. However, this case was a termination and under the advice of our legal counsel, they advised against informing the Board.

Mr. James reminded everyone of the annual Achievement in Community Excellence Awards on February 22nd from 5:30-8:30 at Jet Runway Café. Several Tenants and community partners would be recognized for their contributions to the Airport.

ADJOURNMENT

There being no further business to come before the Board at this time, the meeting was adjourned at 2:33 p.m.

NEXT SCHEDULED MEETING DATE: Thursday, February 23, 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: March 30, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James 
SUBJECT: Unified Land Development Regulations Change in Use from Office to Senior Citizen Center Use - Broward Health

The Airport has been approached by North Broward Health District (Broward Health) owner of the property located at 1700 NW 49th Street, Fort Lauderdale (Exhibit 1). Broward Health is proposing a partial interior renovation and remodeling of the existing one-story building to convert 15,361 square feet of Office Use to Senior Citizen Center Use to accommodate Broward Health's Programs of All-Inclusive Care for the Elderly (PACE) facility.

The Property is designated with an underlying land use of "Employment Center" per the City's Comprehensive Plan and is zoned Airport Industrial Park (AIP). Senior Citizen Center not a use that is specifically listed in the use tables for the AIP District. However, the Unified Land Development Regulations (ULDR) Section 47-18.30 defines a Senior Citizen Center as a facility which, for compensation provides service, meals, recreational activities, and transportation for five (5) or more adults over the age of fifty-five 55. Additionally, Section 47-14.11.D of the ULDR provides the following:

- *Permitted, conditional, or accessory uses which are not specifically listed or are not substantially similar to those uses listed as permitted, conditional or accessory uses in this section 47-14.11 may be permitted if approved by the Planning and Zoning Board, if the Planning and Zoning Board determines that the proposed use is consistent with the permitted uses of the future land use designation for the parcel as identified in the City of Fort Lauderdale Comprehensive Plan and that such use at its proposed location will not adversely impact the operation of the Fort Lauderdale Executive Airport. The recommendation of the Airport Advisory Board as to whether the proposed use adversely impacts the operation of the Fort Lauderdale Executive Airport shall be considered by the Planning and Zoning Board when making its determination.*

Broward Health is requesting consideration from the Airport, the Aviation Advisory Board (AAB) and the Planning and Zoning Board (PZB) to modify ULDR Section 47-14.11. D. The recommendation of the AAB is necessary for the process to continue to the Planning and Zoning Board for review and approval.

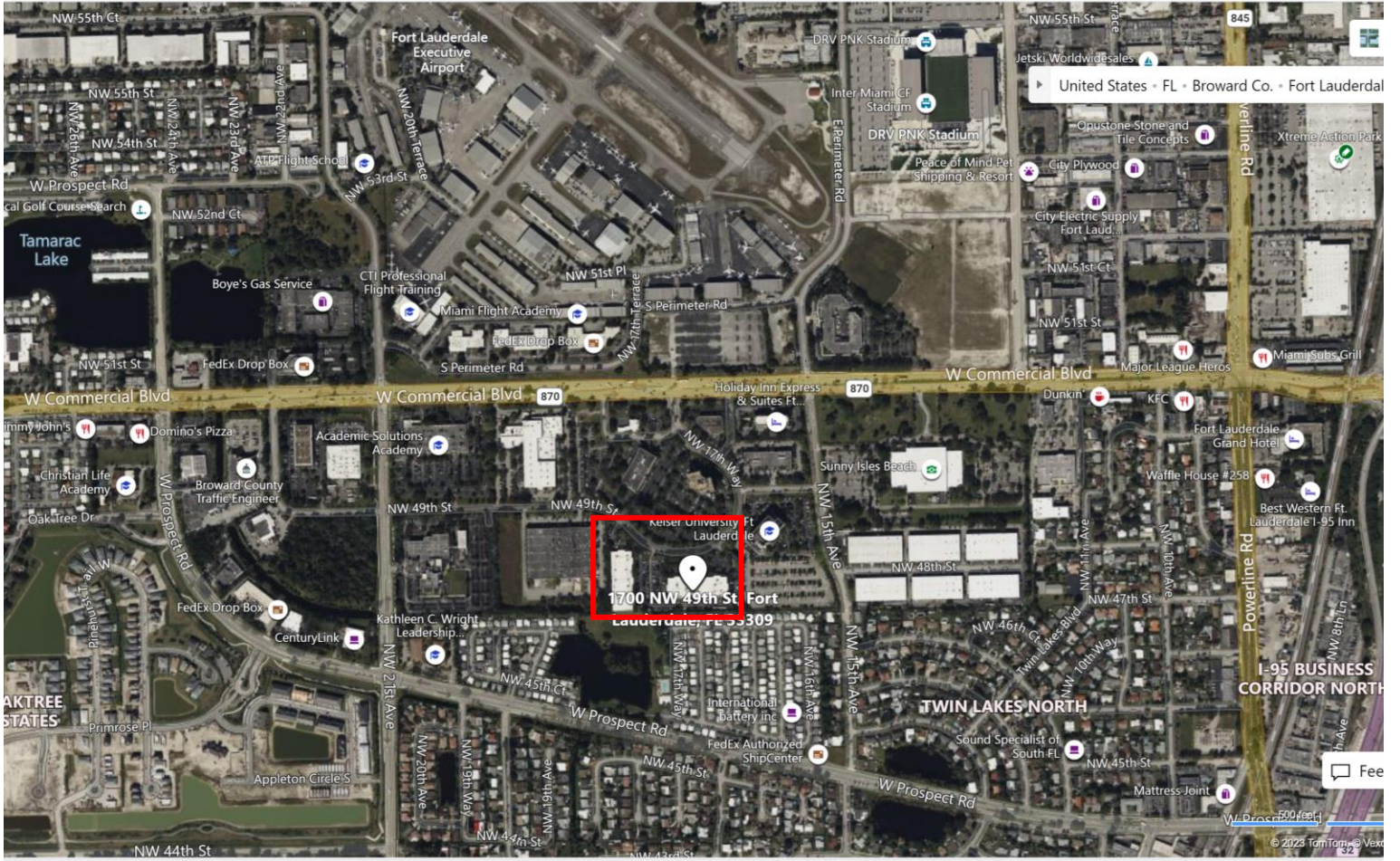
The PACE facility will operate under an Adult Day Care license as approved by the State's Agency for Health Care Administration (AHCA). The services being provided will include transportation to and from the facility, catered meals, therapy, activities, medical services provided by primary care providers, and social work services needed by the participants in the program (Exhibit 2).

Staff has analyzed the Airport approach/departure surfaces, flight pattern activity, as well as proximity of the facility to the Airport and based on the location, nature, and scope of the proposed PACE site, it is anticipated that the use will not adversely impact the operation of the Airport.

Staff Recommendation

The staff recommends the change in use application from Office to Senior Citizen Center Use be forwarded to the Planning and Zoning Board for consideration and approval.

VOTING ITEM 1 EXHIBIT 1



Broward PACE Program, LLC

BPP, LLC will operate a Program of All-inclusive Care for the Elderly licensed as an Adult Day Care located at 1700 NW 49th Street, Fort Lauderdale, FL. The hours of operation will be from 7:30 am to 6:00 pm Monday through Friday. Initially the PACE site on any given day will serve 30-40 participants a day with growth over the next 2-3 years to serve 100-110 participants a day on site. The PACE site will operate under an Adult Day Care license as approved by Agency for Health Care Administration (AHCA) in the state of Florida. Services will include transportation to and from the site, catered meals, therapy, activities, medical services provided by primary care providers, and Social Work services needed by the participants in the program. These same services are provided to the participants out in the community on a 24/7 basis 365 days a year. Below is an explanation regarding PACE from the Centers for Medicare and Medicaid Services web site. PACE is a federal and state approved health plan for the Medicaid eligible frail elder living in the community.

At capacity BPP, LLC will employ 50-60 individuals at the Fort Lauderdale location.

Program of All-Inclusive Care for the Elderly

The Programs of All-Inclusive Care for the Elderly (PACE) provides comprehensive medical and social services to certain frail, community-dwelling elderly individuals, most of whom are dually eligible for Medicare and Medicaid benefits. An interdisciplinary team of health professionals provides PACE participants with coordinated care. For most participants, the comprehensive service package enables them to remain in the community rather than receive care in a nursing home.

Financing for the program is capped, which allows providers to deliver all services participants need rather than limit them to those reimbursable under Medicare and Medicaid fee-for-service plans. The PACE model of care is established as a provider in the Medicare program and as enables states to provide PACE services to Medicaid beneficiaries as state option.

PACE Eligibility

Individuals can join PACE if they meet certain conditions:

- Age 55 or older
- Live in the service area of a PACE organization
- Eligible for nursing home care
- Be able to live safely in the community

The PACE program becomes the sole source of services for Medicare and Medicaid eligible enrollees. Individuals can leave the program at any time.

VOTING ITEM 2

DATE: March 30, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director
BY: Khant Myat, P.E., Airport Engineer/Project Manager II
SUBJECT: Runway 31 Bypass Taxiway Project and Taxiway Golf Pavement Rehabilitation – Project P12521 and P12539 respectively – Contract Award – Weekley Asphalt Paving, Inc.

The Runway 31 Bypass Taxiway construction project and Taxiway Golf Pavement Rehabilitation project will improve airfield capacity. The projects are in close proximity to each other, and the scope and scale of the projects are similar as well. By combining both projects, they are more cost efficient for construction and also reduces the impact on Airport operations (Exhibit 1).

This contract award is for the combined projects, which will include Runway 31 Bypass Taxiway project and Taxiway Golf Pavement Rehabilitation project. The construction of Runway 31 Bypass Taxiway will reduce congestion around this area and allow multiple aircraft to taxi efficiently and enter or depart the runway without causing delays. The Taxiway Golf Pavement Rehabilitation project will improve the current state of the asphalt condition from a rating 51 to 100 Pavement Condition Index (PCI). The pavement rehabilitation will also include minor geometric change to the taxiway to comply with current Federal Aviation Administration (FAA) design standard.

The Procurement Services Division issued Invitation to Bid No. 12741-633 and received three (3) bids in response to the solicitation, which was opened on February 2, 2023 (Exhibit 2):

Bidder	Bid Amount
Weekly Asphalt Paving, Inc.	\$2,257,269.25
Ryan Inc. Southern	\$3,268,995.80
Ranger Construction Industries	\$4,469,963.50

Weekley Asphalt Paving, Inc. (Weekley) submitted the lowest bid of \$2,257,269.25 for both projects. Staff has reviewed the bids with respect to the engineer's estimates as well as other competitive bids and found the pricing to be fair and reasonable. Reference checks are also satisfactory. Weekley has successfully completed the following projects that are similar to scope and scale of the proposed project:

- Dual Taxilane Access to Taxiway L at North Perry Airport
- Taxiway Delta Phase II Reconstruction at Pompano Beach Airpark
- Airfield Improvements Runway 5-23 at Boca Raton Airport
- Runway 9-27 Rehabilitation project at Fort Lauderdale Executive Airport

Funds for this project are available in the project budget and from a Joint Participation Agreement with the Florida Department of Transportation (FDOT) for the reimbursement of approximately 80% of the anticipated construction costs (\$1,805,815.40).

Staff Recommendation

Staff recommends award of the contract to the lowest responsive bidder, Weekley Asphalt Paving, Inc. in the amount of \$2,257,269.25 for the Runway 31 Bypass Taxiway Project and Taxiway Golf Pavement Rehabilitation Project.

**VOTING ITEM 2
EXHIBIT 1**



VOTING ITEM 2 EXHIBIT 2

Bid #12741-633 FXE Airport Runway 31 Bypass AND FXE Taxiway Golf Pavement Rehabilitation
Lot: Imported Item Lot

Item #	Item	Qty	Unit	WEEKLEY ASPHALT PAVING INC.		Ryan Inc. Southern		Ranger Construction Industries	
				Price	Total	Price	Total	Price	Total
12741-633--01-01	Contractor quality control program (CQCP) (C-100-14.1)	1	lump sum	37056	37056	20000	20000	50000	50000
12741-633--01-02	Temp. air and water pollution soil erosion and siltation control (C-102-5.1a)	1	lump sum	20223	20223	5000	5000	4940	4940
12741-633--01-03	Mobilization (C-105-6.1)	1	lump sum	121810	121810	300000	300000	220000	220000
12741-633--01-04	Contractor staging and storage (C-105-6.2)	1	lump sum	15000	15000	140000	140000	50000	50000
12741-633--01-05	Full depth asphalt pavement removal including base material (P-101-5.1b)	700	square yard	10	7000	23	16100	19.9	13930
12741-633--01-06	Cold milling 2-inches (P-101-5.2)	300	square yard	20	6000	25.85	7755	45.4	13620
12741-633--01-07	Stripping (P-151-4.1)	2	acre	9000	18000	18222	36444	15400	30800
12741-633--01-08	Unclassified excavation (P-152-4.1)	2100	cubic yard	32	67200	6.73	14133	44.1	92610
12741-633--01-09	Subbase course (6-inch depth) (P-154-5.1)	5100	square yard	9	45900	6	30600	22.3	113730
12741-633--01-10	Lime rock base course (7-inch depth) (P-211-5.1b)	3400	square yard	23.82	80988	17.65	60010	27.2	92480
12741-633--01-11	Asphalt surface course (P-401-8.1)	800	ton	195	156000	266.2	212960	280	224000
12741-633--01-12	Emulsified asphalt prime coat (P-602-5.1)	600	gallon	8.5	5100	11.55	6930	0.9	540
12741-633--01-13	Emulsified asphalt tack coat (P-603-5.1)	300	gallon	8	2400	8.8	2640	5	1500
12741-633--01-14	Surface preparation of new pavement surfaces (P-620-5.1a)	5200	square foot	0.84	4368	0.83	4316	0.9	4680
12741-633--01-15	Surface preparation of pavement markings prior to remarking (P-620-5.1b)	3000	square foot	0.84	2520	0.83	2490	0.9	2700
12741-633--01-16	Permanent markings with glass beads (P-620-5.2a)	2700	square foot	4.25	11475	4.18	11286	4.45	12015
12741-633--01-17	Permanent markings with no beads (P-620-5.2b)	2700	square foot	2.1	5670	2.04	5508	2.2	5940
12741-633--01-18	Temporary markings without beads (P-620-5.4)	2700	square foot	4.28	11556	4.24	11448	4.55	12285
12741-633--01-19	Sodding (with 30-day irrigation period) (T-904-5.1)	4300	square yard	5.2	22360	11.36	48848	7.2	30960
12741-633--01-20	Airport safety and maintenance of traffic (S-102-5.1)	1	lump sum	159650	159650	180000	180000	984000	984000
12741-633--01-21	Wildlife burrow protection (S-102-5.2)	2	each	100	200	715	1430	1180	2360
12741-633--01-22	Subsurface utility investigation (S-102-5.3)	1	lump sum	2000	2000	11000	11000	5540	5540
12741-633--01-23	Hand excavate minimum 8-inches wide x 28-inches deep in earth. (L-108-5.1)	25	linear foot	40	1000	16	400	17.2	430
12741-633--01-24	Saw cut & hand excavate 8-in. x 28-in in ex. full strength pavement (L-108-5.2)	25	linear foot	69	1725	50	1250	37.9	947.5
12741-633--01-25	3/4-inches x 20-ft ground rods connected to counterpoise. (L-108-5.3)	8	each	560	4480	302.5	2420	324	2592
12741-633--01-26	additional 10-ft ground rod sections. (L-108-5.4)	8	each	450	3600	104.5	836	112	896
12741-633--01-27	#6 bare solid awg counterpoise cond. instl. over conduit system (L-108-5.5)	2250	linear foot	3.9	8775	1.65	3712.5	1.75	3937.5
12741-633--01-28	#8 5kv conductor instl. in new and ex. conduit/dtbk/manh. sys. (L-108-5.6)	5100	linear foot	3.4	17340	2.2	11220	2.35	11985
12741-633--01-29	#8 600v xhwh eqpt. gnd. cond. instl. in new & ex. cdt./dtbk sys. (L-108-5.7)	760	linear foot	4.6	3496	1.98	1504.8	2.1	1596
12741-633--01-30	2-inch schd. 40 pvc cdt. direct. buried in earth 24-inch cov.(L-110-5.1)	1700	linear foot	7.25	12325	14.3	24310	15.3	26010
12741-633--01-31	2-in. schd. 40 pvc conc. cdt. instl. in new pvt. 24-inch cov. (L-110-5.2)	865	linear foot	31.15	26944.75	29.7	25690.5	31.8	27507
12741-633--01-32	2-inch schd. 40 pvc conc. conduit instl in ex. pvmt 24-inch cover (L-110-5.3)	275	linear foot	33.5	9212.5	29.7	8167.5	31.8	8745
12741-633--01-33	Intc. ex. conduit sys. & cnct to new conduit sys. and extd. circuit. (L-110-5.4)	8	each	778	6224	44	352	47.1	376.8
12741-633--01-34	L-867 16-inch diameter junction can with cover installed in earth. (L-115-5.1)	1	each	2445	2445	1650	1650	1760	1760
12741-633--01-35	L-867 16-in. dia. bottomless 4 can junc. can plaza instl. in earth. (L-115-5.2)	2	each	4670	9340	11550	23100	12400	24800
12741-633--01-36	Intercept ex. light. base can in earth and connect to conduit sys. (L-115-5.3)	3	each	1350	4050	357.5	1072.5	382	1146
12741-633--01-37	Rmvl. of ex. junc. can/light base can in earth/ex. pvt. complete. (L-115-5.4)	14	each	560	7840	55	770	327	4578
12741-633--01-38	New L-861t(l) LED txy. ele. edge lgt.& new bs. can instl. in earth. (L-125-5.1)	29	each	1085	31465	1650	47850	1760	51040
12741-633--01-39	New L-861t(l)LED txy. ele. edge lgt.& new bs. can instl. in new pvt..(L-125-5.2)	4	each	2150	8600	2695	10780	2880	11520

12741-633--01-40	Rmvl. of ex. guid. sign and conc. base in earth/ex. pvt. complete. (L-125-5.3)	4	each	2070	8280	192.5	770	1140	4560
12741-633--01-41	New L-858(I) sz. 1 3-4 crcts. LED sign & cnc. bs. instl. in earth. (L-125-5.4)	1	each	5350	5350	9900	9900	10600	10600
12741-633--01-42	New L-858(I) sz. 1 5-6 crcts. LED sign & cnc. bs. instl. in earth. (L-125-5.5)	1	each	4700	4700	12100	12100	12900	12900
12741-633--01-43	New L-858(I) sz. 1 7-8 crcts. LED sign & cnc. bs. instl. in earth. (L-125-5.6)	1	each	7250	7250	13200	13200	14100	14100
12741-633--01-44	New L-858(I) sz. 1 3-4 crcts. LED sign & cnc. bs. instl. in ex. pvt.(L-125-5.7)	1	each	9200	9200	9900	9900	10600	10600
12741-633--01-45	Rlcd. L-858(I) sz. 1 3 mod. LED sgn. & cnc. bs. instl. in earth. (L-125-5.9)	1	each	4400	4400	10175	10175	10900	10900
12741-633--01-46	Rlcd. L-858(I) sz. 1 4 mod. LED sgn. & cnc. bs. instl. in earth. (L-125-5.10)	1	each	5800	5800	11275	11275	12100	12100
12741-633--01-47	Rlcd. L-858(I) sz. 1 2 mod. LED sgn. & cnc. bs. instl. in ex. pvt.(L-125-5.11)	1	each	8000	8000	8525	8525	9120	9120
12741-633--01-48	Intc. ex. cct. cdrs. in bs. can/ mnh. /jnct. can & extd. ccts. accd.(L-125-5.12)	14	each	620	8680	286	4004	306	4284
12741-633--01-49	Ident. of cables dtbks and lgt. fixtures per FAA specifications (L-125-5.13)	1	lump sum	2800	2800	3850	3850	4120	4120
12741-633--01-50	Installation of allowance account alcms graphic updates complete. (L-125-5.14)	1	lump sum	8400	8400	2750	2750	2940	2940
12741-633--01-51	Contractor Quality Control Program (CQCP) (C-100-14.1)	1	lump sum	20000	20000	20000	20000	50000	50000
12741-633--01-52	Temporary Air and Water Pollution Soil Erosion and Siltation Control (C-102-5.	1	lump sum	20223	20223	5000	5000	11100	11100
12741-633--01-53	Mobilization (C-105-6.1)	1	lump sum	142999	142999	370000	370000	210000	210000
12741-633--01-54	Contractor Staging and Storage (C-105-6.2)	1	lump sum	15000	15000	170000	170000	55000	55000
12741-633--01-55	Full Depth Asphalt Pavement Removal Protect Base Material (P-101-5.1a)	7700	square yard	6.5	50050	25	192500	4.2	32340
12741-633--01-56	Full Depth Asphalt Pavement Removal Including Base Material (P101-5.1b)	1100	square yard	10	11000	20.24	22264	19.8	21780
12741-633--01-57	Cold Milling 2-Inches (P-101-5.2)	200	square yard	20	4000	38.78	7756	61.4	12280
12741-633--01-58	Stripping (P-151-4.1)	1	acre	9000	9000	18222	18222	10200	10200
12741-633--01-59	Unclassified Excavation (P-152-4.1)	500	cubic yard	32	16000	6.73	3365	51.4	25700
12741-633--01-60	Subbase Course (6-Inch Depth) (P-154-5.1)	500	square yard	9	4500	5.72	2860	40.1	20050
12741-633--01-61	Lime Rock Base Course (6-Inch Depth) (P-211-5.1a)	500	square yard	23.7	11850	17.65	8825	39.8	19900
12741-633--01-62	Scarify and Recompact Lime Rock (P-211-5.2)	7800	square yard	6.5	50700	7.27	56706	4.15	32370
12741-633--01-63	Asphalt Surface Course (P-401-8.1)	2200	ton	182	400400	227.7	500940	224	492800
12741-633--01-64	Emulsified Asphalt Prime Coat (P-602-5.1)	1600	gallon	8.5	13600	11.55	18480	0.9	1440
12741-633--01-65	Emulsified Asphalt Tack Coat (P-603-5.1)	700	gallon	8	5600	7.7	5390	5	3500
12741-633--01-66	Surface Preparation of New Pavement Surfaces (P-620-5.1a)	21600	square foot	0.84	18144	0.83	17928	0.9	19440
12741-633--01-67	Surface Preparation of Pavement Markings Prior to Remarking (P-620-5.1b)	4900	square foot	0.84	4116	0.83	4067	0.9	4410
12741-633--01-68	Permanent Markings with Glass Beads (P-620-5.2a)	4200	square foot	4.23	17766	4.18	17556	4.45	18690
12741-633--01-69	Permanent Markings with no Glass Beads (P-620-5.2b)	6100	square foot	2.06	12566	2.04	12444	2.2	13420
12741-633--01-70	Temporary Markings without Beads (P-620-5.4)	4200	square foot	4.28	17976	4.24	17808	4.55	19110
12741-633--01-71	Pavement Marking Removal (P-620-5.5)	700	square foot	6.67	4669	4.68	3276	5	3500
12741-633--01-72	Sodding (With 30-day Irrigation Period) (T-904-5.1)	4900	square yard	5.2	25480	11.36	55664	8.1	39690
12741-633--01-73	Airport Safety and Maintenance of Traffic (S-102-5.1)	1	lump sum	187409	187409	193000	193000	927500	927500
12741-633--01-74	Wildlife Burrow Protection (S-102-5.2)	6	each	100	600	715	4290	1180	7080
12741-633--01-75	Subsurface Utility Investigation (S-102-5.3)	1	lump sum	3000	3000	11000	11000	5540	5540
12741-633--01-76	Hand excavate minimum 8" Wide x 28" Deep in earth. (L-108-5.1)	25	linear foot	40	1000	16.06	401.5	17.2	430
12741-633--01-77	Saw cut & hand excavate 8-in. x 28-in in ex. full strength pavement (L-108-5.2)	25	linear foot	69	1725	50	1250	37.9	947.5
12741-633--01-78	3/4" x 20' ground rods connected to counterpoise. (L-108-5.3)	9	each	556	5004	302.5	2722.5	324	2916
12741-633--01-79	Additional 10' ground rod sections. (L-108-5.4)	9	each	500	4500	104.5	940.5	112	1008
12741-633--01-80	#6 bare solid awg counterpoise cond. instl. over conduit system (L-108-5.5)	2400	linear foot	5	12000	1.65	3960	1.75	4200
12741-633--01-81	#8 5kv conductor instl. in new and ex. conduit/dtbk/manh. sys. (L-108-5.6)	3100	linear foot	4.5	13950	2.2	6820	2.35	7285
12741-633--01-82	2-inch schd. 40 pvc cdt. direct. buried in earth 24-inch cov.(L-110-5.1)	2400	linear foot	7.25	17400	14.3	34320	15.3	36720
12741-633--01-83	2-inch schd. 40 pvc conc. conduit instl in ex. pvmt 24-inch cover (L-110-5.3)	15	linear foot	45	675	29.7	445.5	31.8	477
12741-633--01-84	Intc. ex. conduit sys. & cnct to new conduit sys. and extd. circuit. (L-110-5.4)	12	each	556	6672	44	528	47.1	565.2
12741-633--01-85	L-867 16" diameter junction can with cover installed in earth. (L-115-5.1)	1	each	1667	1667	1650	1650	1760	1760

12741-633--01-86	Intercept ex. light. base can in earth and connect to conduit sys. (L-115-5.3)	2	each	1670	3340	357.5	715	382	764
12741-633--01-87	Rmvl. of ex. junc. can/light base can in earth/ex. pvt. complete. (L-115-5.4)	32	each	335	10720	55	1760	293	9376
12741-633--01-88	New L-861t(l) LED txy. ele. edge lgt.& new bs. can instl. in earth. (L-125-5.1)	39	each	1250	48750	1650	64350	1760	68640
12741-633--01-89	Rmvl. of ex. guid. sign and conc. base in earth/ex. pvt. complete. (L-125-5.3)	2	each	560	1120	192.5	385	1140	2280
12741-633--01-90	Rlcd. L-858(L) sz. 1 2 mod. LED sgn & cnc. bs instl. in earth. (L-125-5.8)	1	each	5800	5800	8525	8525	9120	9120
12741-633--01-91	Rlcd. L-858(l) sz. 1 4 mod. LED sgn. & cnc. bs. instl. in earth. (L-125-5.10)	1	each	7250	7250	11275	11275	12100	12100
12741-633--01-92	Intc. ex. cct. cdrs. in bs. can/ mnh. /jnct. can & extd. ccts. accd.(L-125-5.12)	9	each	475	4275	286	2574	306	2754
12741-633--01-93	Ident. of cables dtbks and lgt. fixtures per FAA specifications (L-125-5.13)	1	lump sum	2225	2225	3850	3850	4120	4120
12741-633--01-94	Installation of Allowance Account ALCMS Graphic Updates complete.(L-125-5.14)	1	lump sum	8350	8350	2750	2750	2940	2940

\$2,257,269.25

\$3,268,995.80

\$4,469,963.50

Allowance - \$15,000

VOTING ITEM 3

DATE: March 30, 2022
TO: Aviation Advisory Board 
FROM: Rufus A. James, Airport Director
SUBJECT: Parcels 8CE, 10, 11– Lynx FBO Fort Lauderdale, LLC - Atlantic Aviation Revised Site Plan

As the Board may recall, Lynx FBO Fort Lauderdale, LLC (Lynx) was acquired by Atlantic Aviation Infrastructure Corporation (Atlantic Aviation) through an equity and transfer of control. Atlantic Aviation is the primary holding company for the Atlantic Aviation network of FBOs and leases Parcels 8CE, 10, and 11 at the Fort Lauderdale Executive Airport (FXE). It is under a thirty (30) year Lease Agreement dated January 8, 2019, and is scheduled to expire on January 31, 2049 (Exhibit 1). The total annual rent is approximately \$744,251.11 and is adjusted annually using the Consumer Price Index (CPI) adjustment method.

At the August 25, 2022 Board meeting, staff recommended approving a revised site plan, which included approximately 96,000 square feet of new hangars, 8,500 square feet of attached office space, and construction of a new 72,000-gallon fuel farm facility. The Phase 3 development is on schedule per the Lease Terms and the required Phase 2, which consisted of a new 7,500 square foot terminal building on Parcel 8CE is complete.

The previous proposed site plan that was approved in August 2022 listed Hangar A at 36,000 square feet and Hangar B at 60,000 square feet (Exhibit 2). Upon completion of the terminal building in January 2023, Atlantic Aviation commenced preliminary review of the Phase 3 development and realized an opportunity to maximize the square footage of Hangar 2 by an additional 3,600 square feet (Exhibit 3).

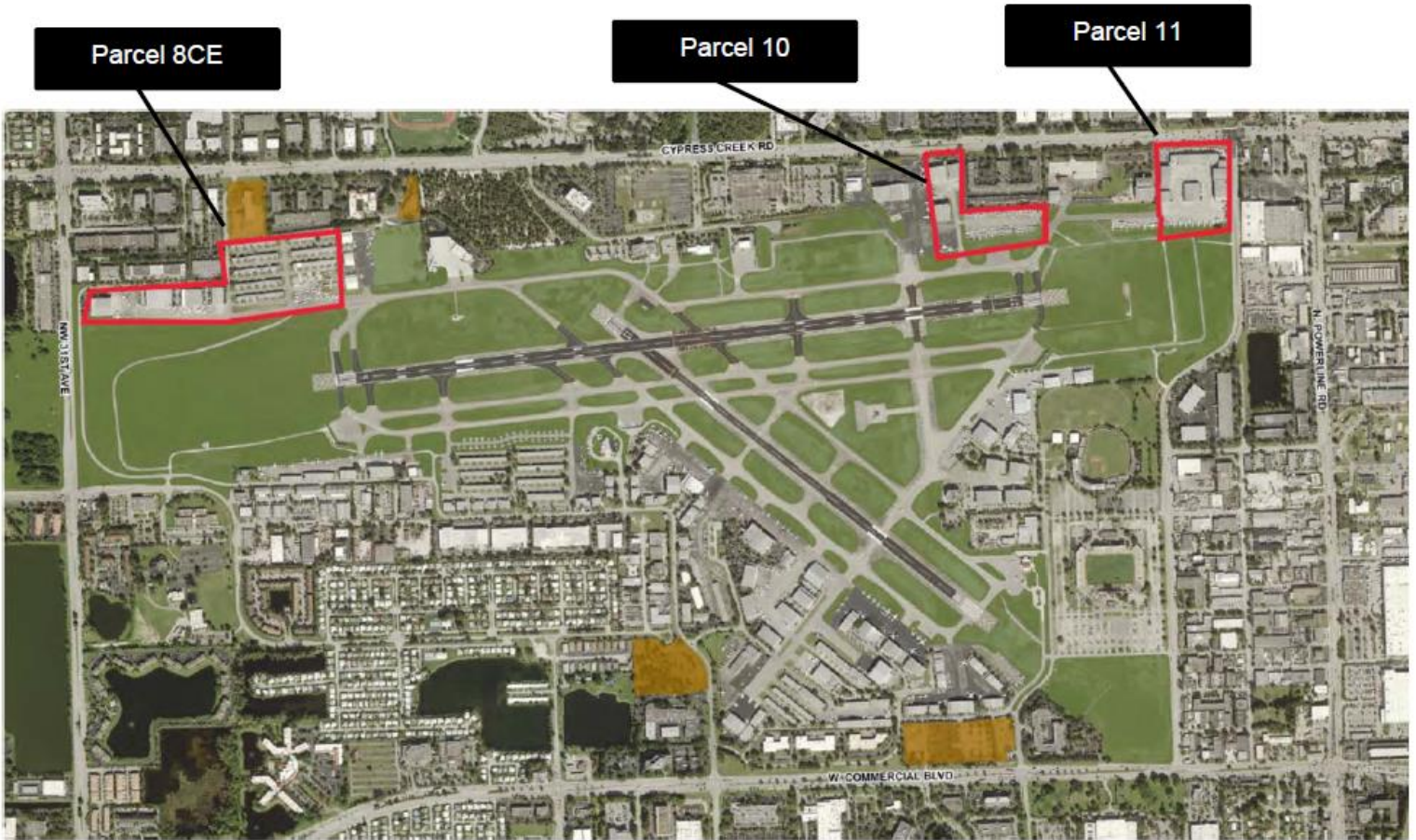
When completed, the revised site plan will still exceed the minimum development requirements of the Lease, which will consist of Hangar A: 39,000 square feet with 3,750 square feet of office space, Hangar B: 60,000 square feet with 4,800 square feet of office space, and construction of a new 72,000-gallon fuel farm facility. This proposed configuration will provide for the maximum amount of ramp space to facilitate aircraft movement and storage and achieve the goals of constructing approximately 99,000 square feet of new hangars and 8,500 square feet of attached office space.

Staff Recommendation

Staff recommends approving the proposed revised site plan for Phase 3 development:

- Hangar A 39,000 square feet with 3,750 square feet of office space
- Hangar B 60,000 square feet with 4,800 square feet of office space
- Construction of a new 72,000-gallon fuel farm facility

VOTING ITEM 3
EXHIBIT 1





COOPERATIVE NOISE ABATEMENT EFFORT

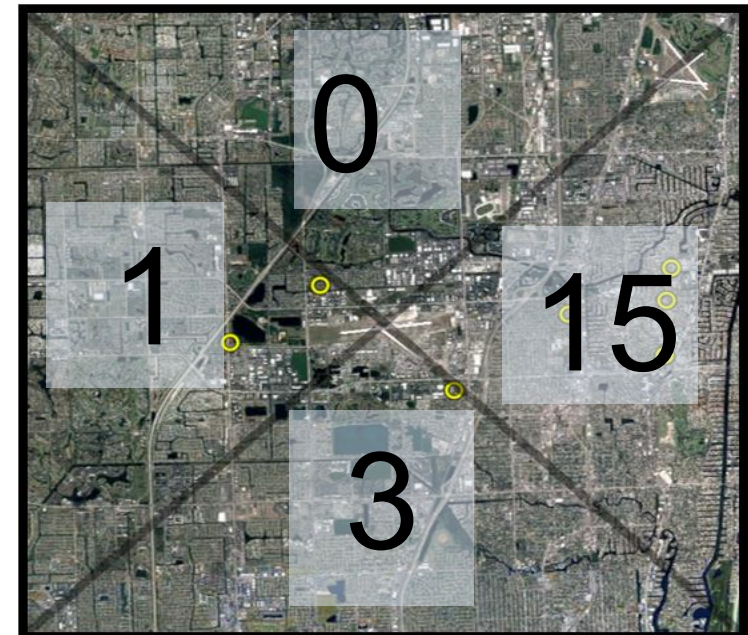
Month of January, 2023

March 30, 2023

Noise Reports By Quadrant

Jet Departures and Noise	Dec-22	Jan-23
Total Jet Departures	1348	1525
Runway 27 Jet Departures	456	696
Runway 9 Jet Departures	877	821
Runway 13/31 Jet Departures	15	8
Runway 9 Jet Departure, I-95 Turns	515	434
Runway 9 Jet Departure, % I-95 Turns	59%	53%
Jets over 80 dB at Monitor #1	*	*
Jets over 80 dB at Monitor #2	4	3

Noise Reports	Dec-22	Jan-23
Number of Households - FXE Noise Only	6	8
Number of Noise Reports - Jets	10	14
Number of Noise Reports - Propellers Single-Engine	3	4
Number of Noise Reports - Propellers Multi-Engine	2	0
Number of Noise Reports - Helicopters	1	1
Number of Noise Reports - Unmatched	0	0
Number of Noise Reports - DT1	0	0
Total Number of Noise Reports for FXE	16	19



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

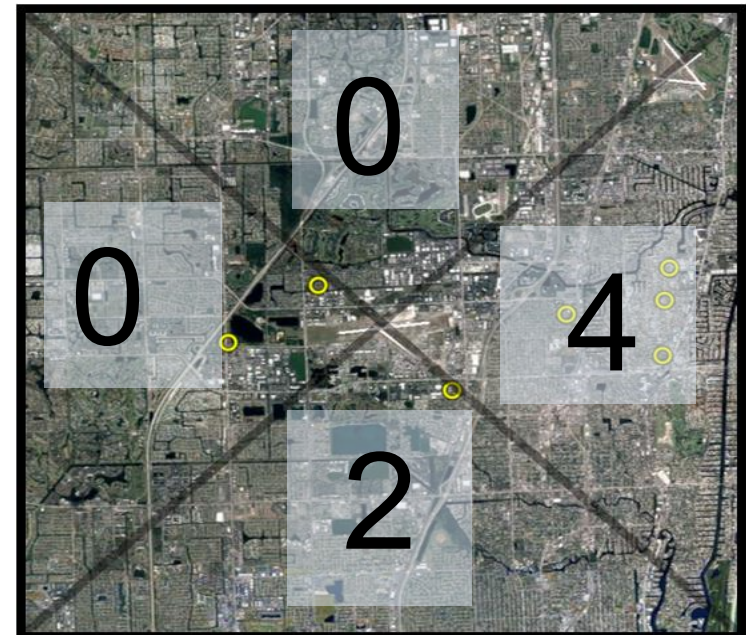
Month of February, 2023

March 30, 2023

Noise Reports By Quadrant

Jet Departures and Noise	Jan-23	Feb-23
Total Jet Departures	1525	1199
Runway 27 Jet Departures	696	300
Runway 9 Jet Departures	821	899
Runway 13/31 Jet Departures	8	0
Runway 9 Jet Departure, I-95 Turns	434	556
Runway 9 Jet Departure, % I-95 Turns	53%	62%
Jets over 80 dB at Monitor #1	*	*
Jets over 80 dB at Monitor #2	3	1

Noise Reports	Jan-23	Feb-23
Number of Households - FXE Noise Only	8	3
Number of Noise Reports - Jets	14	5
Number of Noise Reports - Propellers Single-Engine	4	1
Number of Noise Reports - Propellers Multi-Engine	0	0
Number of Noise Reports - Helicopters	1	0
Number of Noise Reports - Unmatched	0	0
Number of Noise Reports - DT1	0	0
Total Number of Noise Reports for FXE	19	6

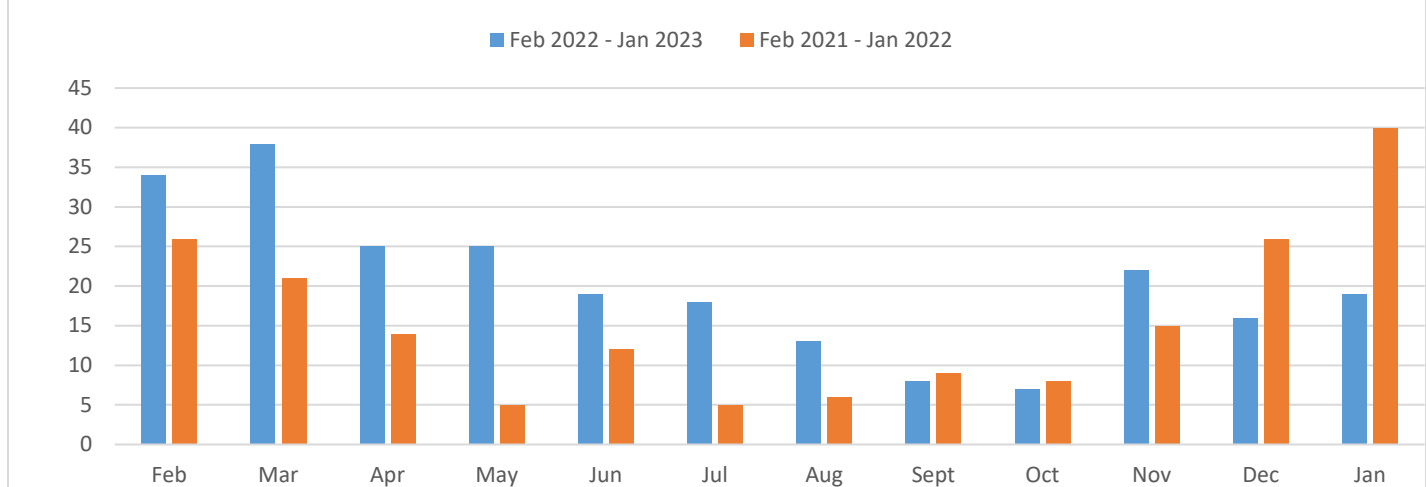


Note: The equipment for Noise Monitoring Terminal (NMT) # 1 was removed on 12/12/2020 for deconstruction of Broward County's water tank tower. Broward County to reinstall noise monitor upon coordination with FXE, FPL and Envirosuite.

Airport Noise Calls - 12 Month Cumulative

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Totals
Feb 2022 - Jan 2023	34	38	25	25	19	18	13	8	7	22	16	19	244
Feb 2021 - Jan 2022	26	21	14	5	12	5	6	9	8	15	26	40	187

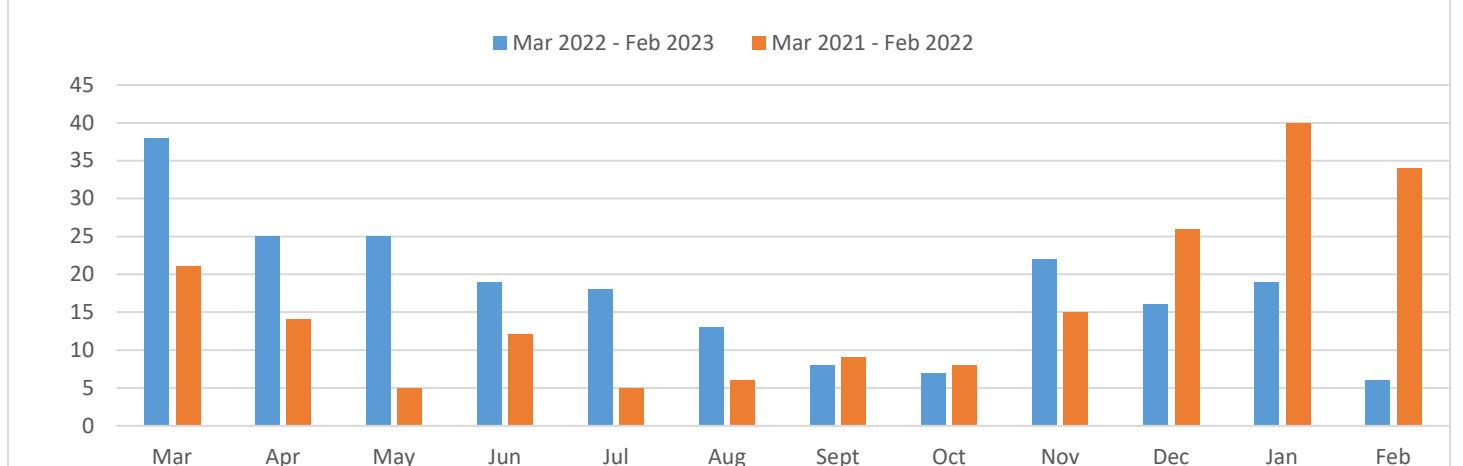
Airport Noise Calls - 12 Month Cumulative




Airport Noise Calls - 12 Month Cumulative

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Totals
Mar 2022 - Feb 2023	38	25	25	19	18	13	8	7	22	16	19	6	216
Mar 2021 - Feb 2022	21	14	5	12	5	6	9	8	15	26	40	34	195

Airport Noise Calls - 12 Month Cumulative

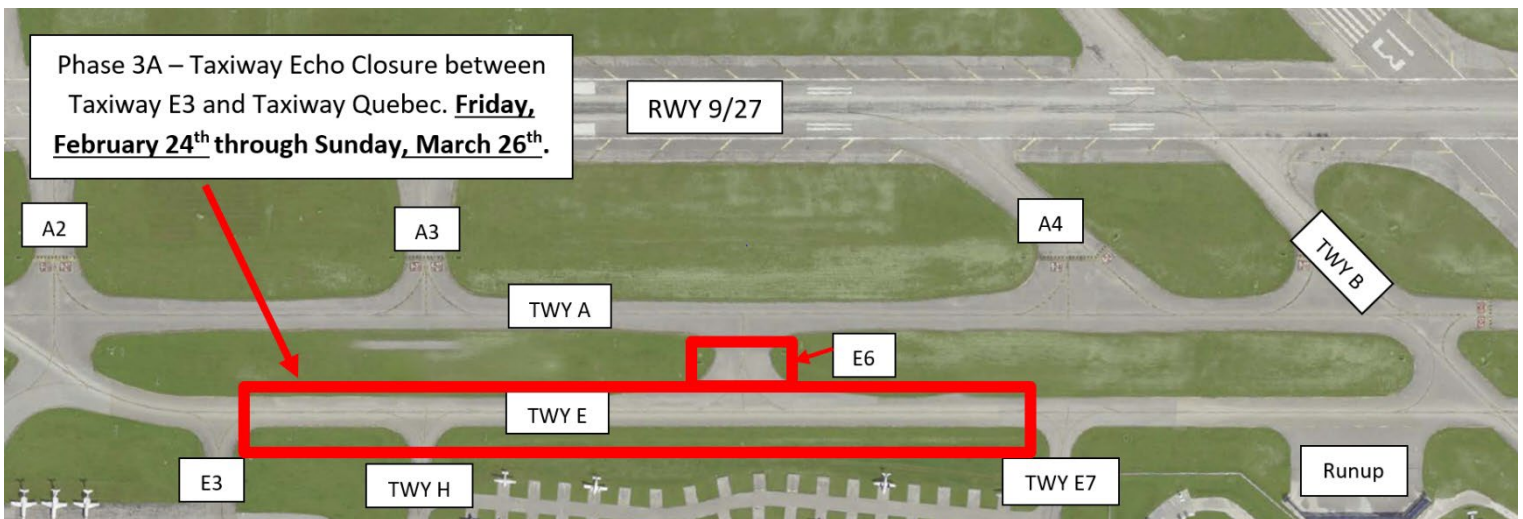


DATE: March 30, 2023
TO: Aviation Advisory Board 
FROM: Rufus A. James, Airport Director
BY: Benjamin J. Gatti, Airport Operations Specialist
VIA: Ryan D. Frost, Airport Operations Supervisor
SUBJECT: Development and Construction

12455 – Taxiway Intersection Improvements Project

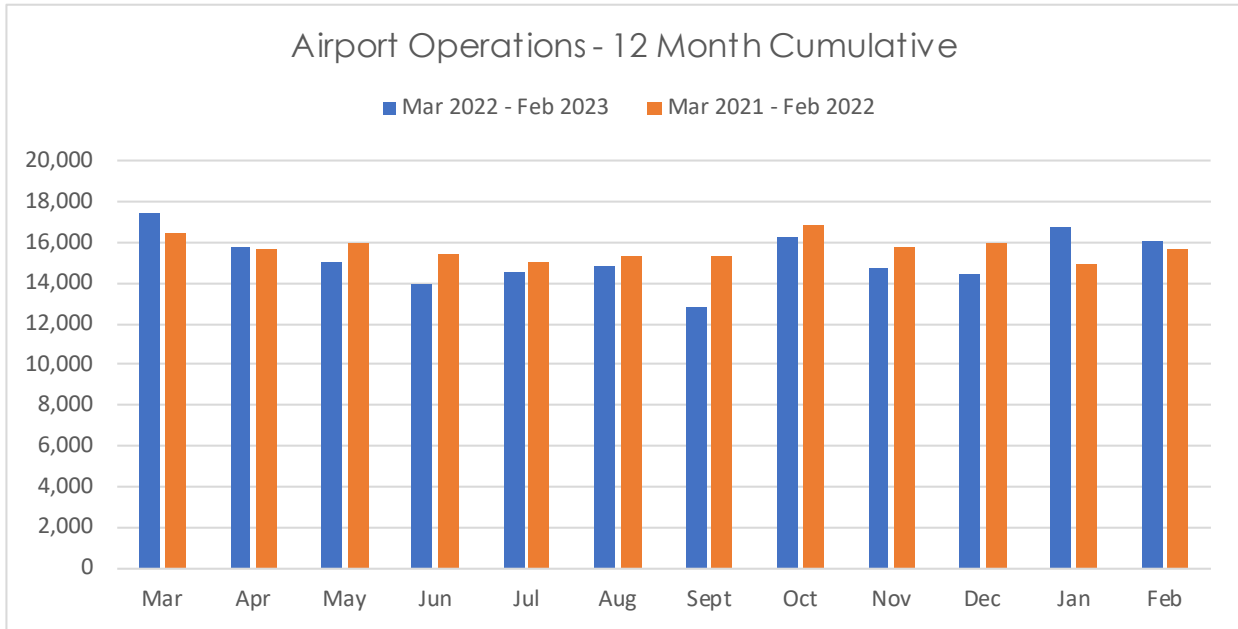
This project involves demolition of taxiways Hotel and Quebec between taxiways Alpha and Echo with the construction of a new centralized taxiway. Included in the project is paving of the new connector taxiway as well as portions of taxiways Echo, Alpha, Hotel and Quebec. Additionally, new LED taxiway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

Phase 1F was completed on February 24th. Phase 1F consisted of the closure of Taxiway Echo, between Taxiway Hotel and the South Runup Pad for Runway 13. This phase consisted of the Milling and Paving of Taxiway Echo and the entrance to Taxiway E7, formerly Taxiway Quebec. New sod was applied to the shoulders of the newly paved area. Phase 3A began on February 24th with an expected completion date of March 26th. Phase 3A consists of the closure of Taxiway Echo between Taxiway E3 and Taxiway E7. This phase consists of the Milling and Paving of Taxiway Hotel. The new connector, Taxiway Echo 6, will remain closed during this phase.



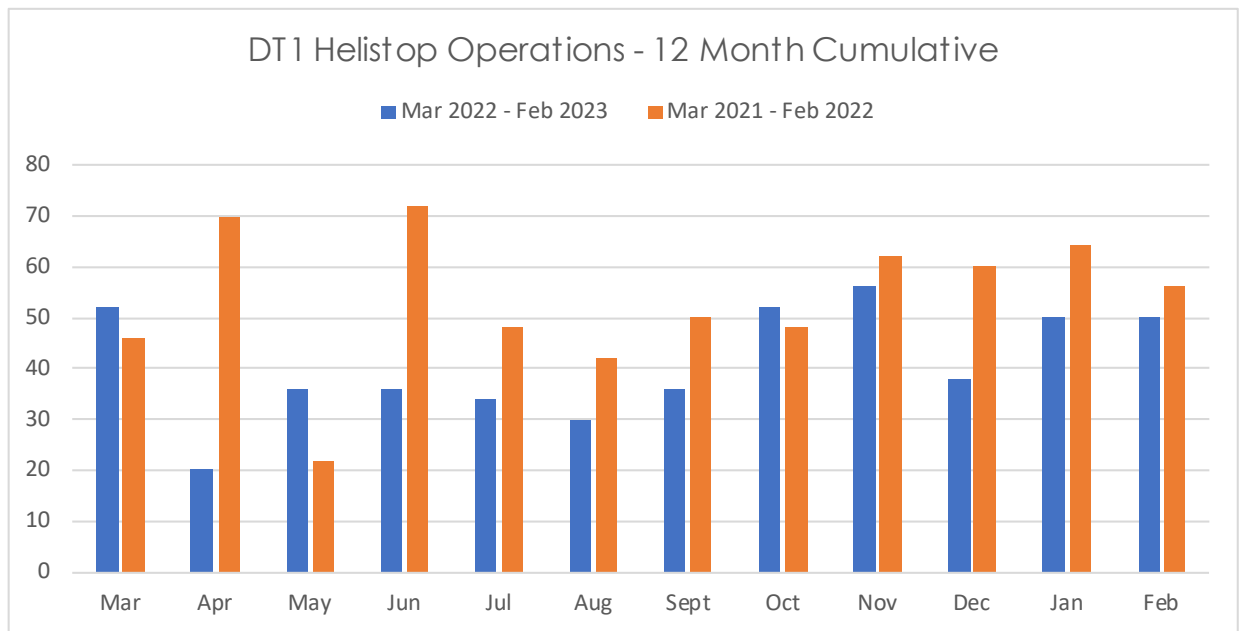
Airport Operations - 12 Month Cumulative

Mar 2022 - Feb 2023	17,474	15,760	15,044	13,895	14,505	14,870	12,822	16,286	14,738	14,451	16,790	16,037	182,672
Mar 2021 - Feb 2022	16,460	15,685	15,896	15,464	15,067	15,292	15,310	16,806	15,775	15,935	14,980	15,680	188,350



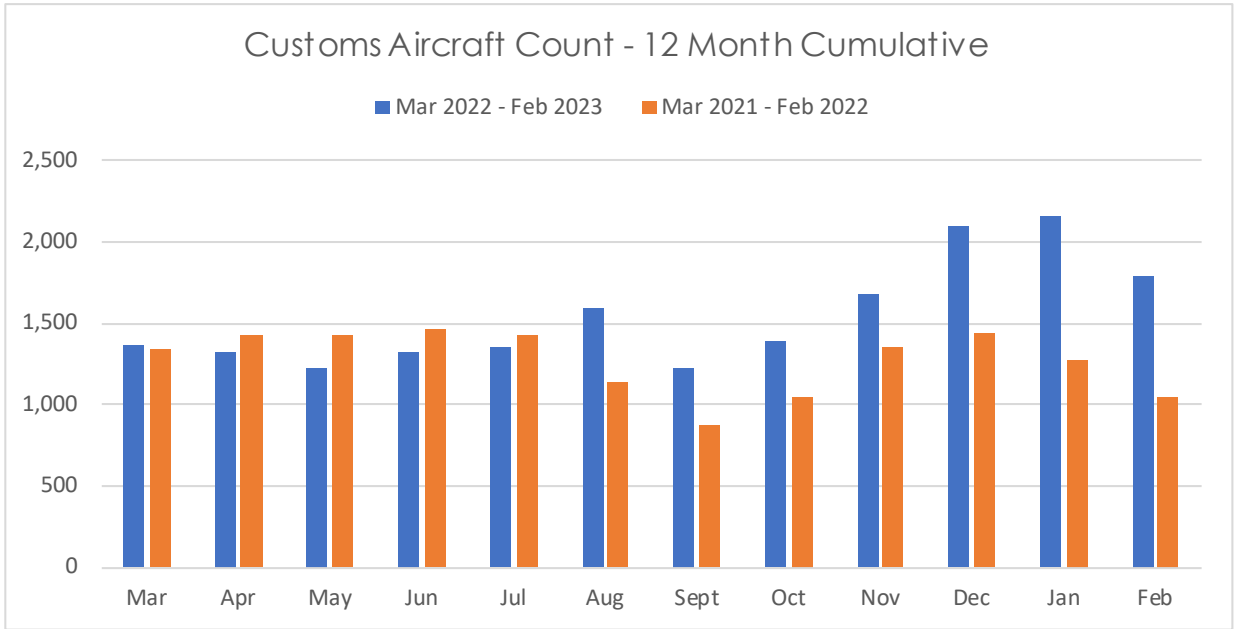
DT1 Helistop Operations - 12 Month Cumulative

Mar 2022 - Feb 2023	52	20	36	36	34	30	36	52	56	38	50	50	490
Mar 2021 - Feb 2022	46	70	22	72	48	42	50	48	62	60	64	56	640



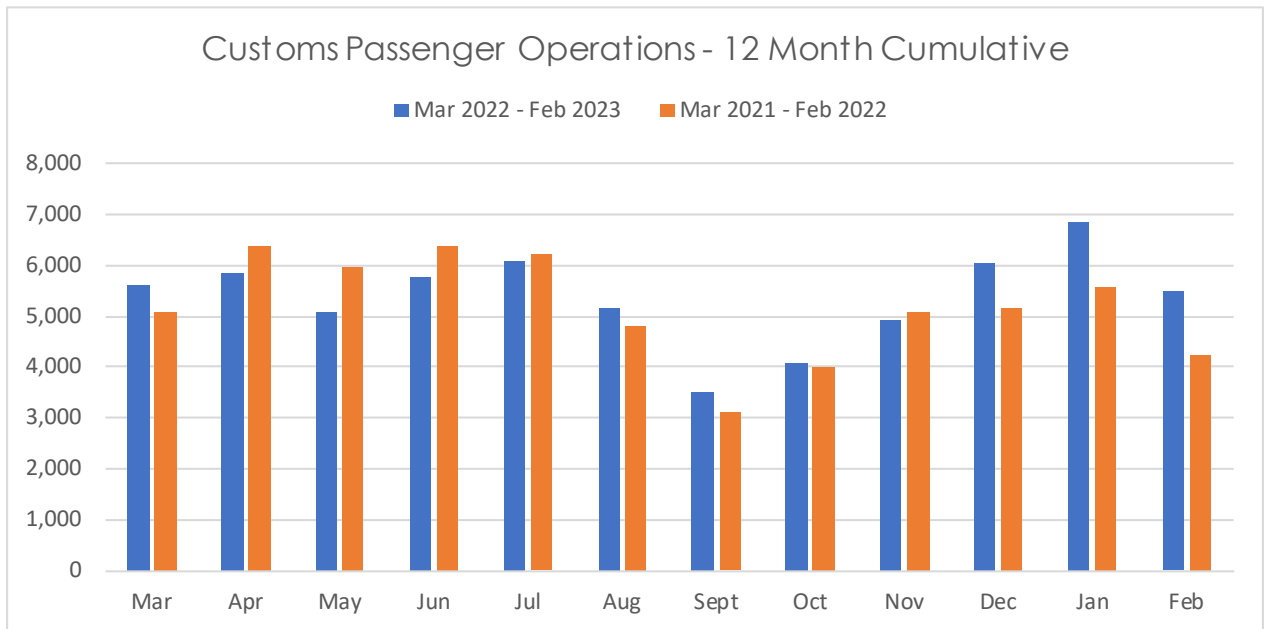
Customs Aircraft Count - 12 Month Cumulative

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Totals
Mar 2022 - Feb 2023	1,364	1,324	1,223	1,325	1,354	1,591	1,226	1,391	1,674	2,090	2,162	1,787	18,511
Mar 2021 - Feb 2022	1,332	1,430	1,425	1,461	1,431	1,134	877	1,045	1,344	1,434	1,278	1,053	15,244



Customs Passenger Operations - 12 Month Cumulative

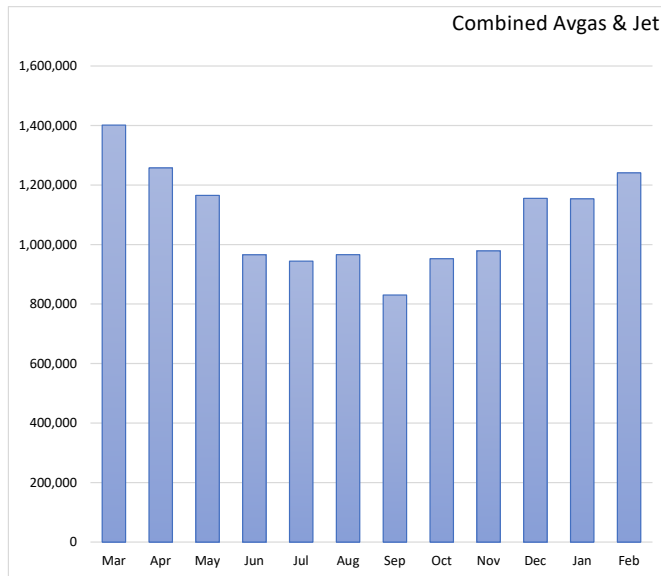
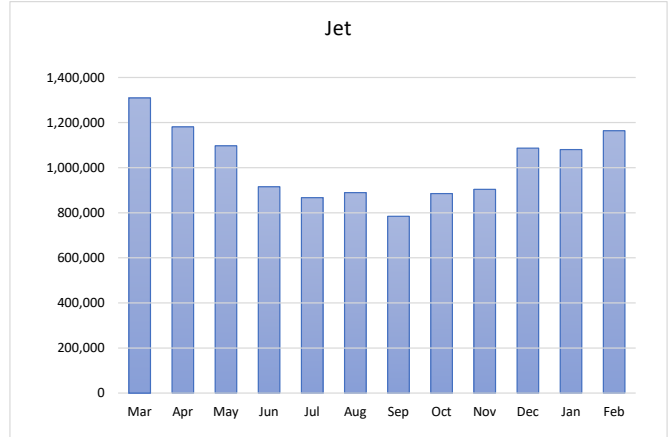
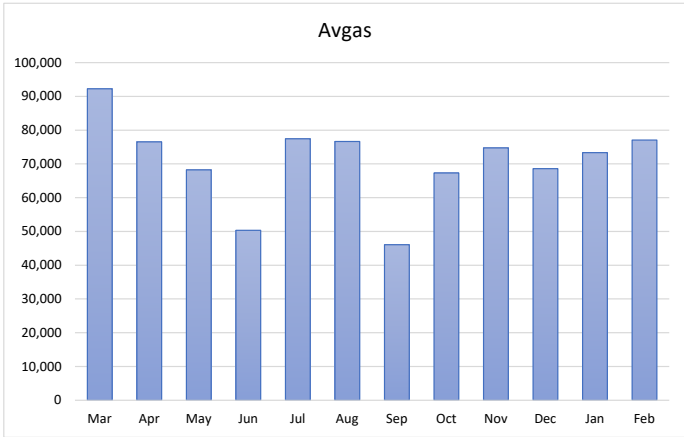
	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Totals
Mar 2022 - Feb 2023	5,623	5,856	5,076	5,787	6,115	5,167	3,532	4,081	4,945	6,040	6,850	5,498	64,570
Mar 2021 - Feb 2022	5,092	6,367	5,958	6,394	6,233	4,789	3,123	4,007	5,089	5,160	5,560	4,256	62,028



Date	Alert Level	Aircraft Type	Description
1/2/2023	II	Learjet 60	Unsafe Gear Indicator
1/4/2023	II	Piper PA-31 Navajo	Unsafe Gear Indicator
1/4/2023	I	Grumman Tiger	Flat Nose Gear
1/5/2023	II	Piper PA-23 250 Aztec	Unsafe Gear Indicator
1/6/2023	III	Cessna Caravan	Flat Left Main, Aircraft Departed Runway Surface
1/17/2023	I	Cessna 172 Skyhawk	Left Main Brake Failure
1/26/223	I	Piper PA-31 Navajo	Flat Nose Gear
Date	Alert Level	Aircraft Type	Description
2/1/2023	I	Cessna 172 Skyhawk	Flat Left Main
2/2/2023	I	Piper Archer	Engine Stall
2/9/2023	II	Diamond DA-42 Twinstar	Unsafe Gear Indicator
2/23/2023	I	Piper PA-28 Cherokee	Engine Alternator Failure
2/28/2023	I	Cessna 172 Skyhawk	Flat Nose Gear

2022 - 2023 Monthly Fuel Flowage (Gallons)

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Totals
Avgas	92,249	76,527	68,232	50,338	77,442	76,645	46,068	67,314	74,741	68,595	73,336	77,070	848,557
Jet	1,309,144	1,180,925	1,096,895	915,176	866,753	889,157	784,234	884,972	903,797	1,086,584	1,080,235	1,163,749	12,161,621
Total	1,401,393	1,257,452	1,165,127	965,514	944,195	965,802	830,302	952,286	978,538	1,155,179	1,153,571	1,240,819	13,010,178



UPDATE ITEM C

DATE: March 30, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director
SUBJECT: 2023 Arrearages



Rent

There are no arrearages to report.

Fuel Flowage

There are no arrearages to report.



Federal Aviation
Administration

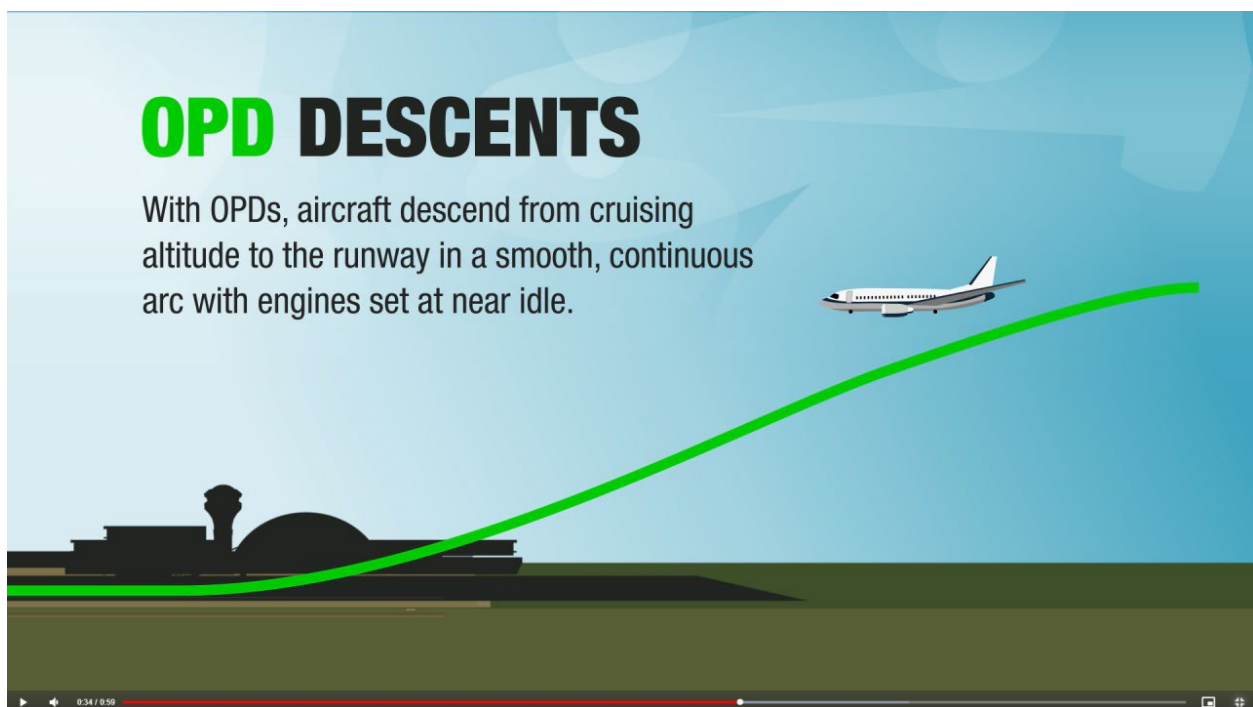
FAA Adds Fuel-Saving Arrival Routes for 11 Airports

Monday, January 30, 2023

WASHINGTON — Planes heading to Orlando, Kansas City, Omaha, Reno and six airports in South Florida can now slide down from cruising altitude to final approach saving millions of gallons of fuel and reducing greenhouse gases.

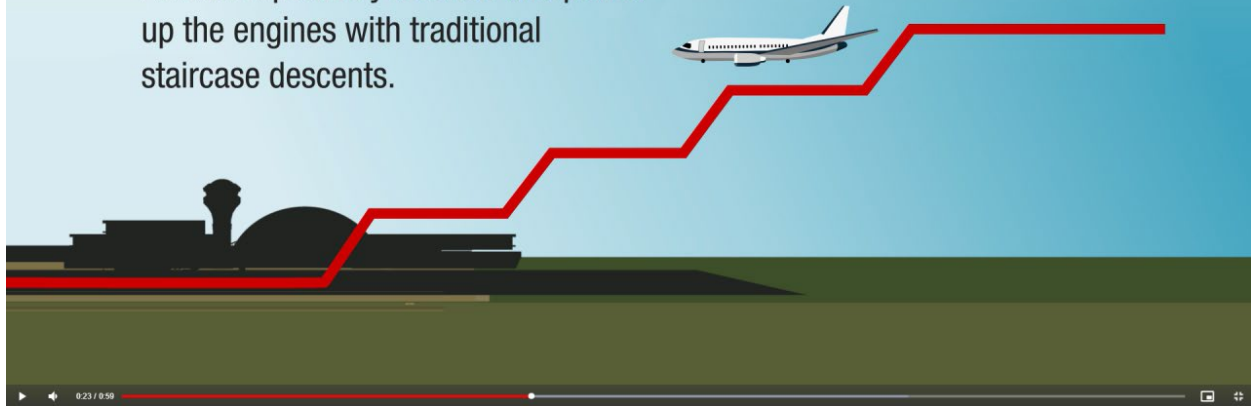
“We are investing across the entire system to provide passengers with the best travel experience. The era of choppy descents is coming to an end, providing a smoother landing and saving fuel in the process,” **said Acting FAA Administrator Billy Nolen.**

The new [Optimized Profile Descents](#) (OPDs) safely eliminate the need for the fuel-consuming stair-step procedure. Under traditional procedures, aircraft repeatedly level off and power up the engines. This burns more fuel and requires air traffic controllers to issue instructions at each step. With optimized descents, aircraft descend from cruising altitude to the runway in a smooth, continuous path with the engines at near idle.



TRADITIONAL DESCENTS

Aircraft repeatedly level off and power up the engines with traditional staircase descents.



During 2022, the FAA implemented new OPDs for the following 11 airports: Boca Raton Airport, Fort Lauderdale Executive Airport, Kansas City International Airport, North Palm Beach County General Aviation Airport, Eppley Air Field, Neb., Offutt Air Force Base, Neb., Orlando International Airport, Palm Beach County Park Airport, Palm Beach International Airport, Pompano Beach Airpark and Reno/Tahoe International Airport.

With these new descents in place, the FAA estimates that the industry will save more than 90,000 gallons of fuel on average and will reduce greenhouse gas emissions by 27,000 tons annually. This change is equivalent to fuel used by 62 Boeing 737 flights between New York and Cleveland.

The 11 airports brings the total number of airports with the procedures to 64. Since 2014, the FAA also has developed OPD procedures at airports in Atlanta, Charlotte, Cleveland, Columbus, Denver, Detroit, Fort Lauderdale, Houston, Las Vegas, Miami, Phoenix, Portland, Northern California, Southern California, Seattle, Tampa, Washington, D.C., and others.

In its [Aviation Climate Action Plan](#), the United States set a goal to achieve net-zero greenhouse gas emissions from the U.S. aviation sector by 2050. To achieve it, the FAA:

- Has [awarded \\$100 million](#) to research and scale fuel-saving technologies and noise reductions
- Has [awarded \\$327 million](#) to [electrify airport](#) gate equipment and vehicles

- Has invested \$35 million for universities to help build sustainable aviation fuel [supply chains](#)
- Has completed research and testing on [reducing fuel burn and taxi time](#)

Find more information about the FAA and its environmental efforts at its [Sustainability Gateway Page](#) and its list of [accomplishments](#) for 2022.

UPDATE ITEM E.II.

DATE: March 30, 2023
TO: Aviation Advisory Board
FROM: Rufus A. James, Airport Director 
BY: Jeri Pryor, Airport Program Manager
VIA: Carlton Harrison, Assistant Airport Director
SUBJECT: Fort Lauderdale Executive (FXE) Airport Community Events: STEMFest, Neighbor Support Night, 2023 Achievements in Community Excellence Awards and Claim Your Future

The Executive Airport has been very active hosting events that benefit the community promoting the aviation industry, at the Airport, in City Hall, and at the FLA Live Center.

Neighbor Support Night: On February 16, 2023, the City of Fort Lauderdale and the Council of Civic Association hosted Neighbor Support Night at City Hall. Neighbor Support Night is a night dedicated to Fort Lauderdale's neighbors. The event provided an opportunity for neighbors to join together with their city to strengthen community ties, elevate public spirit, and build civic awareness in a fun, casual, exciting block party type of atmosphere. The event showcased the many career opportunities the city offers. Participants learned about city careers, city services, how to apply for jobs, explore full time, temporary and volunteer opportunities, learn about benefits, and meet city officials, staff and neighbors. Neighbor Support Night not only showcased careers across the city, but also allowed FXE to highlight and showcase careers in aviation. Neighbor Support Night brought together the Fort Lauderdale family, reminding our community that we're a great place to Live, Work, Play, Invest and Fly FXE.

ACE Awards: On February 22, 2023, the Executive Airport hosted our annual Achievements in Community Excellence Awards. (ACE). The ACE Awards recognizes a company, group, or individual who has made significant positive impacts to the Airport, the City of Fort Lauderdale, and our neighbors.

The 2023 ACE Award was presented to Broward Sheriff Office for their long-time commitment to our community and area businesses, which has significantly enhanced our City. The Broward Sheriff's Office has consistently gone above and beyond the everyday duties to "give back" to the community. FXE commended Sheriff Tony for directing an exceptional and professional team who work in several areas of community engagement, special event tours, outstanding commitment serving our community and dedication to flying quietly over our neighborhoods.

There were four honorees that received the 2023 Distinguished Service Award for their tireless contributions to the Airport, the City and the Community:

- OSM Aviation Academy was recognized for their excellent leadership organizing discovery flights for the Boys and Girls Club, introducing young people to aviation, and inspiring them to reach their full potential.

- Fire Marshal Jeff Lucas was recognized for his exceptional work advancing the local fire codes by creating language that allowed for an increase in above beyond fuel storage at FXE.
- Sidney Cooley, Jr., former Air Traffic Manager at the Executive Airport Air Traffic Control Tower was recognized for his exceptional operational performance during Covid-19 staffing shortages, airfield construction projects and providing endless support for special events and tours.
- John “Hollywood” Abresch of Silver Linings Catering was recognized for over twenty years of commitment and service supporting the Airport by providing a unique and memorable experience for community events and giving back to the community through charitable giving.

The 2023 Special Recognition Award was presented to Richard Haughton of Haughton Media for his exceptional support of Airport programs and outstanding contributions to the aviation industry through instruction, flight demonstrations, and volunteerism for over twenty-six years.

Claim Your Future Showcase: On February 28, 2023, FXE participated in the 2023 Claim Your Future Showcase event at FLA Live in partnership with the Greater Fort Lauderdale Alliance. This year more than 1,300 Junior and Senior high school students from across Broward County Public Schools gathered at the FLA Live Center and were exposed to a wide range of career possibilities and learn what skills are needed to pursue their professional goals. Students explored the showcase exposition and discussed career opportunities with over 20 participating companies where resumes were accepted. In addition, students attended a panel discussion with business executives, learned about summer internship success, participated in breakout sessions and mock interviews. The event helped students connect what they are learning in their classrooms to the real-world expectations of employers.

STEMFest: On March 4, 2023, along with Broward County Schools Title I, Migrant and Special Programs Department and Barrington Irving’s Flying Classroom, FXE hosted 2023 STEMfest for over 300 students. During the event, students had the opportunity to learn about STEM (Science, Technology, Engineering, and Math) in Aviation. Students experienced the sensation of piloting an aircraft on a virtual flight simulator, took part in interactive science activities, and meet Barrington Irving and learn how STEM helped him fly around the world at the age of 18. In addition, students climbed a rock wall, viewed static aircraft, explored the Aircraft Rescue Fire Fighting truck and learned about STEM in aviation firefighting. This free event was a great opportunity for students to engage in STEM and soar to new heights in aviation.