





The industry reliance analysis is based on companies identified by airport administration only and is not a statewide assessment of all of the companies in Florida that depend on aviation to conduct business. Multiplier impacts are not calculated. While this approach is very conservative, it is an indicator of how much businesses in Florida depend on aviation.

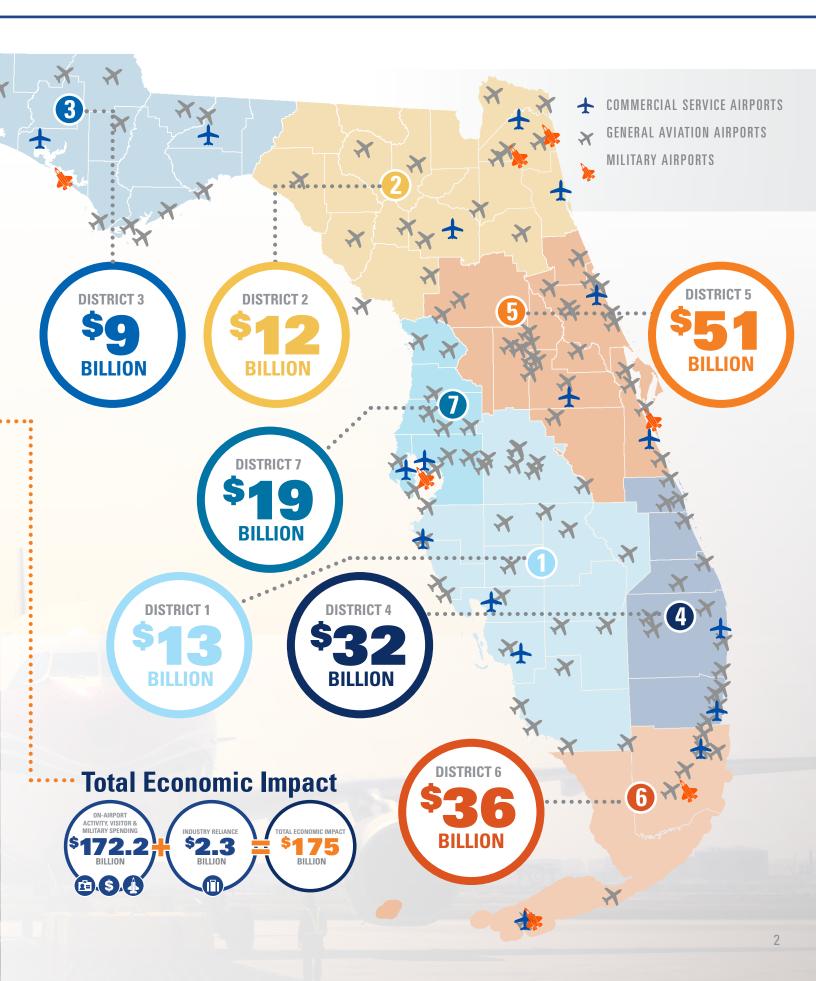
Florida's airports are vital to daily life and trade. Whether for delivery services, news reporting, personal vacations, or business travel, Floridians rely on the aviation industry to stay connected with each other and economic markets. Florida's extensive aviation system includes 20 public-use commercial service airports, 109 public-use general aviation airports, and hundreds of private airports. These airports support Florida's diverse economy, including tourism, agriculture, aviation and aerospace, and manufacturing, and they are a critical component of essential services such as medical transportation, law enforcement, search and rescue, and disaster response and recovery.

As the link that connects people and businesses, Florida's airports help ensure sustained economic growth.

The state's airports support economic activity by providing access to destinations within the state, throughout the country, and across the globe. Airports also offer significant economic contributions to our communities by supporting jobs, generating income, and triggering spending at the local, regional, and state level.

To understand how Florida's 129 public-use airports contribute to the economy, the Florida Department of Transportation (FDOT) Aviation and Spaceports Office has commissioned the fourth iteration of FDOT's 2019 Statewide Aviation Economic Impact Study (the Study). This study evaluates the impact of the state's aviation system on Florida's economy and supports strategic planning and funding decisions at the state level.





▲ Statewide Impact of Florida's Airports

What is economic impact?

Aviation jobs and commerce on airports create strong economic stimuli for Florida. FDOT periodically conducts the Study to understand the overall role of aviation in supporting the state's economy and to help inform state decision-making.

Several metrics communicate economic impact. Output and the portion of those sales used to pay workers (payroll) drive economic impacts. Output is the total value of goods and services sold, as well as budget expenditures by public entities. Payroll is salaries, wages, profits, and benefits to workers. The third metric is jobs.

VISITOR SPENDING

ON-AIRPORT MILITARY SPENDING

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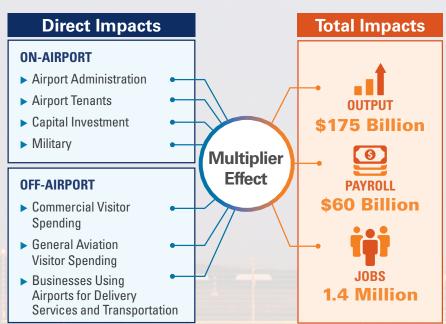
To quantify the contribution of Florida's aviation system to the economy, the Study utilizes a variety of primary and secondary data sources and economic modeling techniques. The primary data source was a series of six surveys for airport administration, tenants, visitors, and aviation-reliant businesses to gather key information related to economic metrics. Data were input into Impact Analysis for Planning (IMPLAN), an economic modeling software used to generate the multiplier effect.

Resulting economic metrics include jobs, payroll, and output for direct impacts, supplier purchases (indirect impacts), and employee spending (induced impacts).

How is economic impact measured?

Direct impacts are related to the provision of aviation services, visitor spending, or the activity of aviation-reliant businesses. Direct impacts of on-airport tenants include the number of persons they employ on the airport, the wages and benefits paid to those workers, and their output. Similarly, the direct impacts of visitors arriving by air transportation include the money they spend on services and goods and the jobs and payroll supported by those expenditures.

Supplier purchases and employee spending (indirect impacts and induced impacts, respectively) are two streams often called multiplier effects. Supplier purchases generate economic impact when directly affected businesses use a portion of direct business revenue to purchase goods and services from other Florida businesses. Employee spending impacts occur when workers who earn income due to direct sales and supplier sales spend their wages in Florida to purchase household goods and services, such as groceries, rent, entertainment, and other goods and services.





ECONOMIC IMPACTS OF ON-AIRPORT ACTIVITY

The economic contribution of airport administration and business tenants and their capital improvements are on-airport economic impacts. While the category is called on-airport activity, supplier purchases and employee spending may be generated off-airport.



Statewide On-Airport Impacts \$72B

\$22B

393,879 EMPLOYEES



Florida's airports
are often home
to emergency
medical aviation
teams that provide
critical services
when ambulances
cannot quickly reach a
location.



AIRPORT ADMINISTRATION

generated
20% (\$14 Billion)
of on-airport output



accounted for 23% (\$5 Billion) of payroll and

26% (101,033) of employees

BUSINESS TENANTS

generated
80% (\$58 Billion)
of on-airport output



77% (\$17 Billion)
of payroll and

74% (292,846) of employees



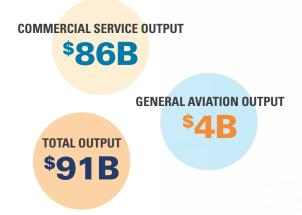


ECONOMIC IMPACTS OF VISITOR SPENDING

The aviation system is a key supporter of tourism, one of Florida's main industries. According to Visit Florida, over 110 million out-of-state visitors visitors came to Florida in 2017, with more than half arriving by air transportation.

The FDOT Aviation and Spaceports Office conducted a comprehensive survey effort of commercial service and general aviation passengers to gather travel details such as average number of travelers, spending habits, length of stay, destination, and state of origin. Surveyors collected data from international and domestic travelers over a period of several days at most commercial service airports. Posters with a link to online surveys were available at general aviation airports, and surveyors went to select general aviation airports to gather surveys in person as well.

Of the over 5,000 visitors surveyed as part of this study, 77 percent came to Florida for pleasure, 16 percent came for business, and the remainder came for other reasons. Economic impacts are related to visitors' spending on goods and services at hospitality businesses and the jobs and payroll supported by those expenditures.



*Totals above may not add due to rounding

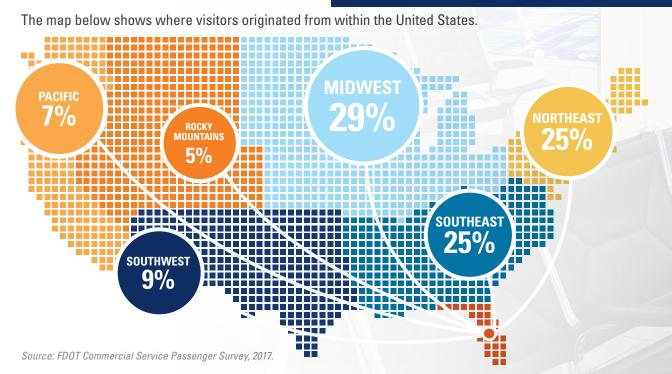
92 percent of survey respondents were domestic visitors, while the rest were international visitors

91 percent of the **92 percent** of domestic travelers were from the United States

Visitor spending generated over

\$90 Billion in output and \$31 Billion in payroll
for about 894,081 employees

Five percent of the statewide total output was associated with general aviation visitors, while **95 percent** of the statewide total was due to commercial service passengers





ECONOMIC IMPACTS OF INDUSTRY RELIANCE

Airports within the state play a vital role in supporting the state economy by enabling business travel as well as air cargo shipments for Florida-based businesses. Businesses rely on air transportation to conduct long-distance business trips, bring clients and colleagues to Florida, acquire the efficiency of air cargo shipments for inputs to production, or to transport finished goods to customers in domestic and international markets. To quantify this dependence, FDOT asked airport managers to



identify businesses that rely on their airport, consisting of companies that base aircraft on airports or are frequent users of commercial or cargo services. Then, surveys were distributed to these companies asking them to indicate

the percentage of their revenues considered to rely on air transportation. As presented in Table 1, the percentage of jobs reliant on Florida airports for the top seven industries range from 21 percent (finance and insurance) to **55 percent** (professional services). These results are based on survey responses, and do not expand the results to the rest of the state economy. However, these results are illustrative of how businesses in Florida rely on aviation to enter long-distance markets and acquire materials to enable production and sales of competitively priced goods.

TABLE 1: ECONOMIC PROFILE OF INDUSTRIES RELIANT ON AVIATION

INDUSTRY	Reliant Jobs	% Total Jobs	Payroll	Output
Construction	5,521	43%	\$255,199,000	\$760,143,000
Finance and Insurance	2,850	55%	\$222,145,000	\$441,477,000
Professional Services	2,492	23%	\$83,379,000	\$200,296,000
Real Estate	1,227	21%	\$95,678,000	\$262,136,000
Retail	741	52%	\$10,947,000	\$124,414,000
Business Services	506	48%	\$14,696,000	\$34,805,000
Manufacturing	728	31%	\$37,225,000	\$119,063,000
All Others	2,155	11%	\$120,600,000	\$338,716,000
TOTAL RELIANCE	16,220	25%	\$839,867,000	\$2,281,049,000

Source: Airport manager survey. Calculations by EDR Group using Bureau of Labor (BLS) and Bureau of Economic Analysis (BEA) data within IMPLAN. Totals may not add due to rounding.

ECONOMIC IMPACTS OF MILITARY SPENDING

Military aviation is a key component of Florida's economy. Due to its geographic location, favorable weather, and over-water airspace, Florida is an ideal location for many military aviation installations. The State of Florida recognizes the importance of military aviation through the Florida Aviation System Plan's (FASP) goal to "Foster Florida's reputation as a military-friendly state."

Military aviation in Florida is a major contributor to the state and local economies, employing more than 108,172 workers and contributing over \$9.8 billion in economic activity in the form of expenditures and payroll. Table 2 summarizes payroll and expenditures for military airports by FDOT District.



TABLE 2: ECONOMIC IMPACTS OF MILITARY SPENDING

District*	Payroll	Expenditures	Total Spending
2	\$1,809,599,000	\$659,848,000	\$2,469,447,000
3	\$3,846,630,000	\$1,046,772,000	\$4,893,403,000
5	\$379,553,000	\$470,946,000	\$850,500,000
6	\$272,351,000	\$311,602,000	\$583,953,000
7	\$273,346,000	\$745,132,000	\$1,018,478,000
STATEWIDE	\$6,581,480,000	\$3,234,300,000	\$9,815,780,000

^{*} The scope of this study does not include any military installations in FDOT Districts 1, 4, and 7.

Source: Department of Defense (DOD) economic impact publications, the Base Closure and Realignment Commission (BRAC), and other state and local economic impact sources developed between 2014 and 2016. Refer to the Statewide Aviation Economic Impact Study Technical Report for a full list of sources. Totals may not add due to rounding.

TABLE 3: TOTAL IMPACTS BY AIRPORT - COMMERCIAL SERVICE

District #	Airport Name	Associated City	Total Jobs	Total Payroll	Total Economic Impact (Output)
	Southwest Florida International Airport	Fort Myers	83,290	\$2,846,339,000	\$8,405,324,000
	Punta Gorda Airport	Punta Gorda	12,392	\$418,762,000	\$1,275,088,000
	Sarasota/Bradenton International Airport	Sarasota/ Bradenton	12,130	\$465,502,000	\$1,333,583,000
	Gainesville Regional Airport	Gainesville	2,964	\$113,074,000	\$374,006,000
(2)	Jacksonville International Airport	Jacksonville	26,396	\$993,638,000	\$3,194,422,000
	Northeast Florida Regional Airport	St. Augustine	5,624	\$343,082,000	\$1,472,434,000
	Northwest Florida Beaches International Airport	Panama City Beach	7,602	\$235,213,000	\$771,907,000
3	Pensacola International Airport	Pensacola	11,497	\$397,184,000	\$1,266,616,000
	Tallahassee International Airport	Tallahassee	5,202	\$187,906,000	\$599,879,000
	Destin-Fort Walton Beach Airport	Valparaiso	7,682	\$249,831,000	\$814,149,000
4)	Fort Lauderdale/Hollywood International Airport	Fort Lauderdale	156,200	\$6,674,292,000	\$20,803,987,000
	Palm Beach International Airport	West Palm Beach	48,602	\$1,851,444,000	\$5,642,274,000
	Daytona Beach International Airport	Daytona Beach	6,431	\$242,673,000	\$737,597,000
(5)	Melbourne International Airport	Melbourne	15,059	\$957,793,000	\$2,771,364,000
	Orlando International Airport	Orlando	343,576	\$13,539,181,000	\$41,128,183,000
	Orlando Sanford International Airport	Orlando	21,179	\$818,972,000	\$2,600,786,000
	Key West International Airport	Key West	7,185	\$296,469,000	\$856,687,000
6)	Miami International Airport	Miami	263,953	\$11,380,900,000	\$33,195,200,000
	St. Pete-Clearwater International Airport	St. Petersburg/ Clearwater	21,365	\$827,905,000	\$2,579,499,000
	Tampa International Airport	Tampa	121,159	\$4,507,716,000	\$14,451,785,000
	TOTAL COMMERCIAL SERVICE AII	RPORT IMPACTS	1,179,488	\$47,347,876,000	\$144,274,770,000

^{*}All values presented in 2017 dollars. Sources: Economic Impact Study (EIS) Surveys (Kimley-Horn), 2017; Calculations by EDR Group in 2018 using the 2016 IMPLAN model. Table includes only on-airport activity and visitor spending impacts.





TABLE 4: TOTAL IMPACTS BY AIRPORT - GENERAL AVIATION

District Airport Name	Associated City	Total Jobs	Total Payroll	Total Economic Impact (Output)
Arcadia Municipal Airport	Arcadia	34	\$1,944,000	\$4,953,000
Avon Park Executive Airport	Avon Park	70	\$3,537,000	\$9,610,000
Bartow Municipal Airport	Bartow	1,501	\$75,783,000	\$222,429,000
Airglades Airport	Clewiston	124	\$5,942,000	\$18,093,000
Buchan Airport	Englewood	8	\$164,000	\$370,000
Everglades Airpark	Everglades City	15	\$701,000	\$2,287,000
Page Field	Fort Myers	3,328	\$135,336,000	\$385,068,000
Immokalee Regional Airport	Immokalee	247	\$11,517,000	\$39,056,000
La Belle Municipal Airport	La Belle	68	\$2,342,000	\$7,112,000
Lake Wales Municipal Airport	Lake Wales	145	\$5,263,000	\$15,296,000
Lakeland Linder International Airpo	ort Lakeland	4,408	\$203,693,000	\$574,814,000
South Lakeland Airport	Lakeland	6	\$200,000	\$590,000
Marco Island Executive Airport	Marco Island	294	\$11,180,000	\$31,709,000
Naples Municipal Airport	Naples	3,367	\$152,296,000	\$440,173,000
Okeechobee County Airport	Okeechobee	374	\$13,050,000	\$37,332,000
Airport Manatee	Palmetto	7	\$235,000	\$706,000
River Ranch Resort Airport	River Ranch	289	\$20,700,000	\$46,693,000
Sebring Regional Airport	Sebring	2,649	\$111,457,000	\$368,436,000
Venice Municipal Airport	Venice	420	\$17,835,000	\$53,577,000
Wauchula Municipal Airport	Wauchula	23	\$1,004,000	\$3,627,000
Jack Browns Seaplane Base	Winter Haven	33	\$757,000	\$1,776,000
Winter Haven Regional Airport	Winter Haven	622	\$22,029,000	\$66,640,000
Flying Ten Airport	Archer	1	\$31,000	\$93,000
George T Lewis Airport	Cedar Key	40	\$1,316,000	\$3,948,000
Cross City Airport	Cross City	77	\$2,626,000	\$7,955,000
Fernandina Beach Municipal Airpo	rt Fernandina Beach	350	\$12,137,000	\$41,087,000
Oak Tree Landing Airport	High Springs	21	\$827,000	\$2,565,000
Hilliard Airpark	Hillard	4	\$178,000	\$536,000
Cecil Airport	Jacksonville	11,084	\$694,250,000	\$2,839,786,000
Herlong Recreational Airport	Jacksonville	379	\$16,205,000	\$52,471,000
Jacksonville Executive At Craig Air	port Jacksonville	885	\$33,027,000	\$103,545,000
Keystone Airpark	Keystone Heights	127	\$6,763,000	\$17,785,000
Lake City Gateway Airport	Lake City	4,079	\$243,024,000	\$1,004,033,000
Suwannee County Airport	Live Oak	96	\$3,917,000	\$14,475,000
Palatka Municipal - Lt Kay Larkin F	ield <i>Palatka</i>	207	\$8,192,000	\$29,357,000
Perry-Foley Airport	Perry	10	\$421,000	\$1,286,000
Williston Municipal Airport	Williston	1,719	\$78,190,000	\$309,763,000

^{* *}All values presented in 2017 dollars. Sources: EIS Surveys (Kimley-Horn), 2017; Calculations by EDR Group in 2018 using the 2016 IMPLAN model. Table includes only on-airport activity and visitor spending impacts.

TABLE 4 CONTINUED FROM PREVIOUS PAGE

Airport Name	Associated City	Total Jobs	Total Payroll	Total Economic Impact (Output)
Apalachicola Regional-Cleve Randolph Field	Apalachicola	133	\$4,387,000	\$13,963,000
St. George Island Airport	Apalachicola	0	\$11,000	\$35,000
Calhoun County Airport	Blountstown	37	\$1,539,000	\$5,618,000
Tri-County Airport	Bonifay	102	\$3,675,000	\$12,168,000
Carrabelle-Thompson Airport	Carrabelle	6	\$228,000	\$666,000
Bob Sikes Airport	Crestview	3,056	\$159,345,000	\$755,708,000
Defuniak Springs Airport	Defuniak Springs	139	\$5,370,000	\$18,216,000
Destin Executive Airport	Destin	1,309	\$40,856,000	\$144,030,000
Marianna Municipal Airport	Marianna	317	\$12,945,000	\$44,314,000
Peter Prince Field	Milton	422	\$11,522,000	\$37,309,000
Fort Walton Beach Airport	Navarre	4	\$93,000	\$309,000
Wakulla County Airport	Panacea	0	\$14,000	\$43,000
Ferguson Airport	Pensacola	89	\$4,729,000	\$17,689,000
Costin Airport	Port St. Joe	1	\$33,000	\$106,000
Quincy Municipal Airport	Quincy	27	\$996,000	\$3,327,000
Belle Glade State Municipal Airport	Belle Glade	108	\$5,247,000	\$16,422,000
Boca Raton Airport	Boca Raton	3,055	\$135,203,000	\$433,992,000
Downtown Fort Lauderdale Helistop	Fort Lauderdale	7	\$278,000	\$713,000
Fort Lauderdale Executive Airport	Fort Lauderdale	12,708	\$578,721,000	\$2,091,276,000
Treasure Coast International Airport	Fort Pierce	3,403	\$154,388,000	\$509,649,000
North Perry Airport	Hollywood	1,163	\$40,254,000	\$119,123,000
Palm Beach County Glades Airport	Pahokee	201	\$7,559,000	\$22,032,000
Pompano Beach Airpark	Pompano Beach	1,054	\$44,575,000	\$133,843,000
Sebastian Municipal Airport	Sebastian	426	\$17,602,000	\$54,268,000
Witham Field	Stuart	3,222	\$204,932,000	\$786,440,000
New Hibiscus Airpark	Vero Beach	4	\$147,000	\$395,000
Vero Beach Regional Airport	Vero Beach	5,522	\$338,820,000	\$1,321,201,000
North Palm Beach County General Aviation Airport	West Palm Beach	312	\$13,708,000	\$44,910,000
Palm Beach County Park Airport	West Palm Beach	523	\$22,024,000	\$74,386,000
Orlando Apopka Airport	Apopka	8	\$260,000	\$788,000
Bob White Field	Deland	13	\$509,000	\$1,672,000
Deland Municipal-Sidney H. Taylor Field	Deland	3,839	\$259,736,000	\$713,705,000
Marion County Airport	Dunnellon	333	\$13,320,000	\$44,432,000
Leesburg International Airport	Leesburg	556	\$31,190,000	\$109,522,000
Merritt Island Airport	Merritt Island	501	\$20,507,000	\$62,551,000
New Smyrna Beach Municipal Airport	New Smyrna Beach	1,281	\$61,700,000	\$171,903,000



District #	Associated City	Total Jobs	Total Payroll	Total Economic Impact (Output)
Ocala International-Jim Taylor Field	Ocala	613	\$22,950,000	\$69,068,000
Kissimmee Gateway Airport	Orlando	1,576	\$62,280,000	\$190,943,000
Executive Airport	Orlando	4,537	\$210,216,000	\$622,914,000
Ormond Beach Municipal Airport	Ormond Beach	426	\$18,654,000	\$56,309,000
Flagler Executive Airport	Palm Coast	1,343	\$48,744,000	\$150,017,000
Pierson Municipal Airport	Pierson	9	\$297,000	\$778,000
Tavares Seaplane Base	Tavares	161	\$9,493,000	\$39,349,000
Arthur Dunn Air Park	Titusville	76	\$2,856,000	\$8,266,000
Space Coast Regional Airport	Titusville	826	\$36,844,000	\$120,329,000
Umatilla Municipal Airport	Umatilla	112	\$5,455,000	\$19,871,000
Valkaria Airport	Valkaria	435	\$18,460,000	\$58,483,000
Homestead General Aviation Airport	Homestead	87	\$3,900,000	\$6,900,000
The Florida Keys Marathon International Airport	Marathon	785	\$38,537,000	\$106,239,000
Dade-Collier Training and Transition Airport	Miami	30	\$1,280,000	\$2,428,000
Miami Homestead General Aviation Airport	Miami	993	\$51,700,000	\$81,300,000
Miami Seaplane Base	Miami	66	\$3,460,000	\$10,884,000
Miami-Opa Locka Executive Airport	Miami	6,867	\$388,700,000	\$1,096,800,000
Pilot Country Airport	Brooksville	4,431	\$209,061,000	\$780,229,000
Brooksville-Tampa Bay Regional Airport	Brooksville	3	\$134,000	\$374,000
Clearwater Air Park	Clearwater	169	\$6,250,000	\$20,449,000
Crystal River-Captain Tom Davis Field	Crystal River	78	\$2,861,000	\$8,042,000
Inverness Airport	Inverness	83	\$3,417,000	\$9,657,000
Plant City Airport	Plant City	327	\$17,858,000	\$38,515,000
Albert Whitted Airport	St. Petersburg	665	\$26,529,000	\$79,703,000
Peter O. Knight Airport	Tampa	857	\$47,135,000	\$114,400,000
Tampa Executive Airport	Татра	1,297	\$55,122,000	\$147,686,000
Zephyrhills Municipal Airport	Zephyrhills	629	\$30,360,000	\$106,276,000
TOTAL GENERAL AVIATION	AIRPORT IMPACTS	108,473	\$5,417,045,000	\$18,471,965,000





▲ Case Study Highlights

The FDOT Aviation and Spaceports Office developed ten case studies describing real-life examples of the economic impact that Florida's airports have on their communities. These case studies highlight unique aspects of Florida's aviation industry and provide a qualitative description of how the aviation industry impacts Florida's businesses and communities. A sample of these case studies is below. Other examples include ST Engineering-Aerospace at Pensacola International Airport, Embraer at Melbourne International Airport, Goodyear Blimp at Pompano Beach Airpark, and Skydive City at Zephyrhills Municipal Airport.

ANCHOR TENANTS

LAKE CITY GATEWAY AIRPORT - BIG BUSINESS AT FLORIDA AIRPORTS

Many of Florida's smaller airports often have one or two major anchor tenants that drive economic development and growth. Anchor tenants come in many shapes and sizes and offer a variety of services to the aviation community in Florida. Lake City Gateway Airport is home to HAECO, a maintenance, repair, and overhaul (MRO) provider with four major locations in the U.S. At their Lake City location, HAECO provides airframe services and a strip-and-paint shop. Facilities include over 600 thousand square feet of covered hangars, 1.3 million square feet in ramp area, six MRO hangars, and a paint hangar. Additionally, an expansion of service in 2016 resulted in the addition of over 400 new high-skill, high-paying jobs—located right in Lake City! In partnership with the Columbia County School District and Northeast Florida Education Consortium, HAECO implemented the North Florida Aviation Academy to train a workforce for their Lake City location or for any similar company across the country.

