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Louisiana

AIRPORTS ECONOMIC IMPACT STUDY UPDATE

Executive Summary | 2019



Louisiana Airport System + Total Impacts

Total Impacts of Louisiana's Airports



84,400

TOTAL EMPLOYMENT



\$2.6 billion

TOTAL PAYROLL



\$9.3 billion

TOTAL ECONOMIC OUTPUT

Pass a Good Time with Louisiana's Airports

Louisiana's air transportation system provides access to global travel and trade opportunities that are unavailable through any other means. The linkages that the Louisiana airport system provides drive the economy: businesses function more efficiently, and visitors travel from greater distances, all while enhancing the quality of life of Louisiana residents.

The Louisiana Department of Transportation and Development's (DOTD) Aviation Division commissioned this study to illustrate the value that the state's 68 airports and their associated activities bring to Louisiana. This study is an update to a previous aviation economic impact study, allowing DOTD to show the extent to which the airport system has grown over the years.

The benefits provided by Louisiana's airports are many and varied. Louisiana-based companies depend on aviation to move people and goods in a timely manner. Air taxis operating from airports along Louisiana's Gulf Coast provide essential transportation links for oil workers to the numerous oil platforms they work on in the Gulf of Mexico. Air cargo companies deliver packages and documents with rapid efficiency to keep businesses operating. Corporate flight departments transport executives securely and safely to where they best function. These are just a few ways that airports aid the state's growing businesses.

Not only do airports strengthen business operations, they are critical to the state's tourism industry. Louis Armstrong New Orleans International Airport makes it possible for millions of annual visitors to enjoy the cultural offerings of New Orleans and the Mississippi Delta region. Other airports around the state bring visitors the chance to experience many of the state's parks and historic sites. Visitors spend money locally on food, lodging, and other items in mutually beneficial transactions during these trips. Through the convenience of modern air travel, residents of Louisiana can visit family, friends, and tourist destinations.

Business and tourism aren't they only benefits that Louisiana's residents gain from airports. Patients are safely transported to and from medical centers via aviation. Aircraft use Louisiana airports to apply pesticides to crops and forests. Military aviators train at Louisiana's airports to hone their flying skills. Search and rescue flights are flown from these airports as well. Airports help to support these services, which are vital to all citizens in Louisiana. Even if they never use an airport directly, citizens benefit from an improved quality of life that air transportation helps to support. Through simple things such as package delivery and the ability to visit family and friends, aviation in Louisiana helps promote safer, more productive, and happier lives.



Economic Modeling Method + Meaning

The economic impacts of Louisiana's airports are reported as three **measures** of economic impact broken down into several **categories** of economic impact and expressed as three related **types** of economic impact.

Measures of Economic Impact

Employment: Based on the total of full-time jobs plus part-time jobs. Every two part-time positions are the equivalent of a single full-time position.

Payroll: Represents annual salary, wages, and benefits earned by all employees and business owners.

Output: The quantity of goods and services generated annually by an airport and its associated activities and businesses. Output is estimated using an organization's annual sales or its annual expenditures, which assumes that its output is approximately equivalent to what it spends.

Categories of Economic Impact

On-Airport Activity: Includes activity related to the operation of the airport and its associated business and government tenants. Examples are fixed base operators (FBO), flight schools, flight departments, airport restaurants, air traffic control, state agencies that use aviation, and any Federal Aviation Administration (FAA) units.

Capital Improvement Impacts: Airports undertake capital improvement projects such as runway rehabilitation or terminal improvements, while tenants also undertake capital improvements. These projects employ people in jobs such as

construction, architecture, engineering, and consulting.

Visitors: The off-airport impacts associated with visitors that arrive in Louisiana by commercial airline or general aviation, captured through their spending, which supports economic activity primarily in the hospitality and tourism industries.

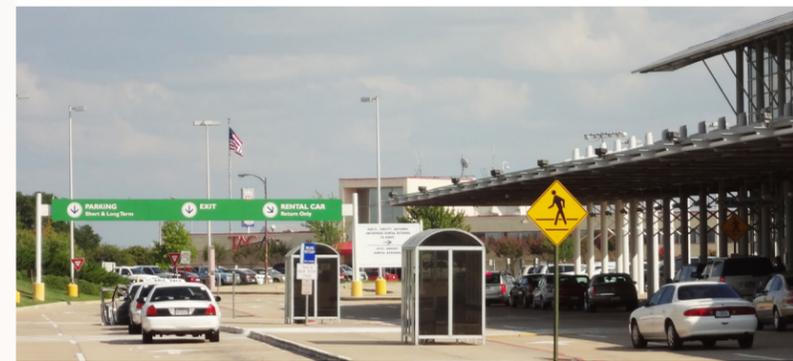
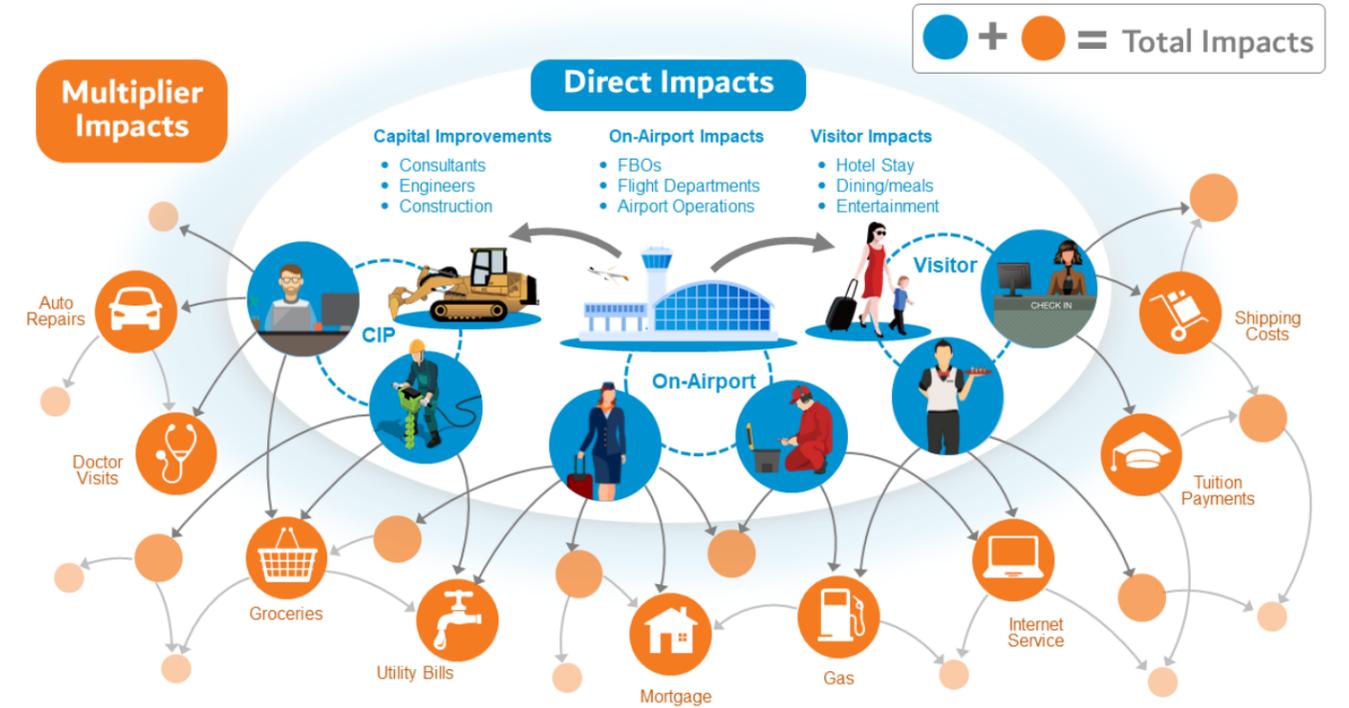
Types of Economic Impact

This study estimated three types of economic impact.

Direct Impacts: The initial point where the money from aviation-related activity first starts circulating in the economy, including impacts that result from on-airport activity and visitor spending.

Multiplier Impacts: Those resulting from the re-circulation and re-spending of direct impacts within the economy. For example, as airport employees spend their salary for housing, food, and utilities, those expenditures circulate through the economy resulting in increased spending, payroll, and employment throughout Louisiana. Some transactions allow the money to leak beyond the boundaries of Louisiana, and thus no longer benefits the state's citizens. The economic model uses parameters specific to Louisiana to estimate the leakage effect associated with these impacts, thereby tabulating only those multiplier impacts that benefit the people and businesses of Louisiana.

Total Impacts: The sum of all direct and multiplier economic impacts attributable to an airport or system of airports.



Total Economic Benefits

Airports + their Impacts

The table on these pages shows the total economic impact of each Louisiana system airport, which is comprised of the direct and multiplier impacts for all categories previously described.

Commercial Service Airports

Associated City	Airport Name	Total Employment	Total Payroll	Total Output
Alexandria	England Airpark/Alexandria International Airpark	2,322	\$90,548,000	\$276,777,000
Baton Rouge	Baton Rouge Metropolitan, Ryan Field	3,022	\$115,494,000	\$356,510,000
Lafayette	Lafayette Regional	3,514	\$166,882,000	\$814,226,000
Lake Charles	Lake Charles Regional	1,983	\$72,854,000	\$311,191,000
Monroe	Monroe Regional	693	\$26,114,000	\$83,308,000
New Orleans	Louis Armstrong New Orleans International	59,226	\$1,648,513,000	\$5,974,596,000
Shreveport	Shreveport Regional	2,250	\$81,395,000	\$247,929,000
Commercial Service Airports Total		73,010	\$2,201,800,000	\$8,064,537,000

General Aviation Airports

Associated City	Airport Name	Total Employment	Total Payroll	Total Output
Abbeville	Abbeville Chris Crusta Memorial	147	\$3,891,000	\$11,023,000
Alexandria	Esler Regional	354	\$14,900,000	\$17,068,000
Arcadia	Arcadia-Bienville Parish	6	\$133,000	\$322,000
Bastrop	Morehouse Memorial	33	\$960,000	\$3,229,000
Bogalusa	George R. Carr Memorial Air Field	49	\$1,379,000	\$5,118,000
Bunkie	Bunkie Municipal	18	\$83,000	\$226,000
Columbia	Columbia	9	\$206,000	\$520,000
Coushatta	The Red River	14	\$552,000	\$1,863,000
Covington	St. Tammany Regional	39	\$931,000	\$3,029,000
Crowley	Le Gros Memorial	64	\$2,183,000	\$7,282,000
De Quincy	De Quincy Industrial Airpark	17	\$468,000	\$1,756,000
De Ridder	Beauregard Regional	27	\$749,000	\$2,031,000
Delhi	Delhi Municipal	7	\$158,000	\$390,000
Eunice	Eunice	25	\$820,000	\$2,725,000
Farmerville	Union Parish	14	\$269,000	\$921,000
Franklinton	Franklinton	13	\$291,000	\$754,000
Galliano	South Lafourche Leonard Miller Jr.	529	\$18,007,000	\$97,628,000
Gonzales	Louisiana Regional	189	\$5,459,000	\$15,809,000

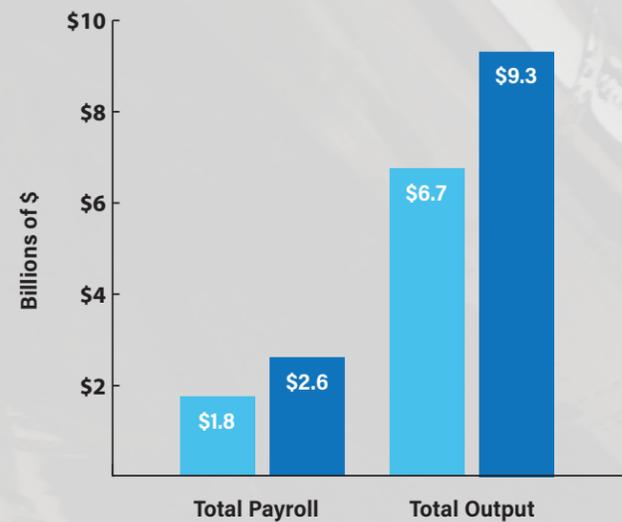
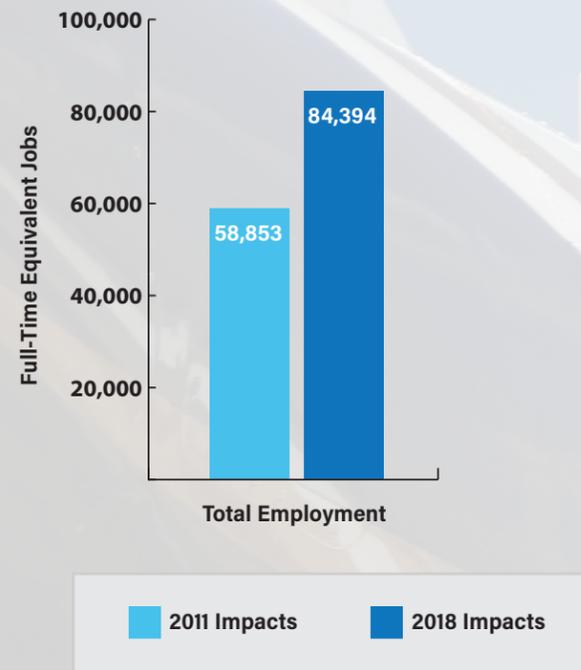
Associated City	Airport Name	Total Employment	Total Payroll	Total Output
Hammond	Hammond Northshore Regional	1,798	\$73,393,000	\$132,834,000
Homer	Homer Municipal	8	\$211,000	\$735,000
Houma	Houma-Terrebonne	740	\$32,006,000	\$170,259,000
Jeanerette	Le Maire Memorial	20	\$567,000	\$2,115,000
Jena	Jena	14	\$335,000	\$968,000
Jennings	Jennings	159	\$4,027,000	\$14,094,000
Jonesboro	Jonesboro	10	\$228,000	\$681,000
Jonesville	Jonesville	92	\$2,583,000	\$7,215,000
Lake Charles	Chennault International	3,136	\$119,507,000	\$379,947,000
Lake Providence	Byerley	14	\$409,000	\$2,442,000
Leesville	Leesville	17	\$488,000	\$1,638,000
Mansfield	C.E. "Rusty" Williams	24	\$487,000	\$1,778,000
Many	Hart	9	\$232,000	\$643,000
Marksville	Marksville Municipal	8	\$172,000	\$527,000
Minden	Minden	35	\$1,349,000	\$4,396,000
Natchitoches	Natchitoches Regional	92	\$3,556,000	\$14,972,000
New Iberia	Acadiana Regional	1,114	\$33,688,000	\$76,195,000
New Orleans	Lakefront	596	\$26,071,000	\$69,360,000
New Roads	False River Regional	202	\$7,503,000	\$24,057,000
Oak Grove	Kelly	21	\$448,000	\$1,497,000
Oakdale	Allen Parish	56	\$1,803,000	\$8,505,000
Olla	Olla	16	\$506,000	\$1,655,000
Opelousas	St. Landry Parish-Ahart Field	44	\$1,262,000	\$4,163,000
Patterson	Harry P. Williams Memorial	336	\$9,732,000	\$40,877,000
Pineville	Pineville Municipal	40	\$852,000	\$2,575,000
Pollock	Pollock Municipal	2	\$9,000	\$36,000
Rayville	John H. Hooks Jr. Memorial	18	\$513,000	\$1,530,000
Reserve	Port of South Louisiana Executive Regional	30	\$923,000	\$3,137,000
Ruston	Ruston Regional	148	\$4,791,000	\$17,809,000
Shreveport	Shreveport Downtown	304	\$9,037,000	\$26,805,000
Slidell	Slidell	383	\$13,361,000	\$36,168,000
Springhill	Springhill	6	\$144,000	\$519,000
St. Joseph	Tensas Parish	7	\$151,000	\$446,000
Sulphur	Southland Field	111	\$3,803,000	\$13,132,000
Tallulah	Scott	17	\$408,000	\$947,000
Tallulah/Vicksburg, MS	Vicksburg Tallulah Regional	61	\$1,691,000	\$5,068,000
Thibodaux	Thibodaux Municipal	12	\$213,000	\$450,000
Vidalia	Concordia Parish	23	\$565,000	\$2,335,000
Vivian	Vivian	27	\$729,000	\$2,527,000
Welsh	Welsh	26	\$473,000	\$1,490,000
Winnfield	David G. Joyce	4	\$99,000	\$334,000
Winnsboro	Winnsboro Municipal	27	\$824,000	\$2,504,000
Woodworth	Woodworth	23	\$681,000	\$2,174,000
General Aviation Airports Total		11,384	\$411,269,000	\$1,253,233,000
All Airports Total		84,394	\$2,613,069,000	\$9,317,770,000

Breakdown of Results + Growth Since 2011

Louisiana's Airports are Soaring!

Impacts from Louisiana's airports have increased since the previous study was completed. As can be seen, total employment has increased by 43 percent, with payroll rising by 49 percent. Economic output rose 38 percent since the last study.

Comparison of Louisiana's Total Economic Impacts to 2011 Economic Impacts

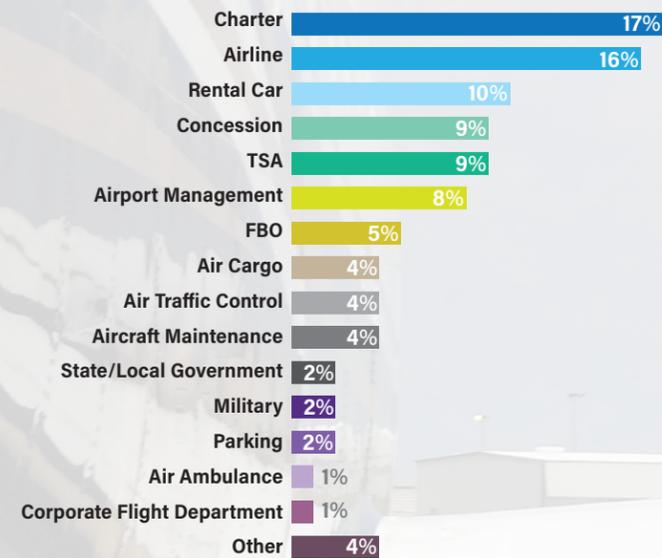


While it can be seen that all categories increased the number of jobs since the previous study, it is obvious that increases in commercial service visitor activity contributed the most. Capital improvements also showed significant gains. Much of this is attributed to the growth in passenger activity at Louis Armstrong New Orleans International Airport and its capital improvement program that included a new terminal building to accommodate that growth.

Comparison of Louisiana's Total Employment by Category to 2011 Total Employment

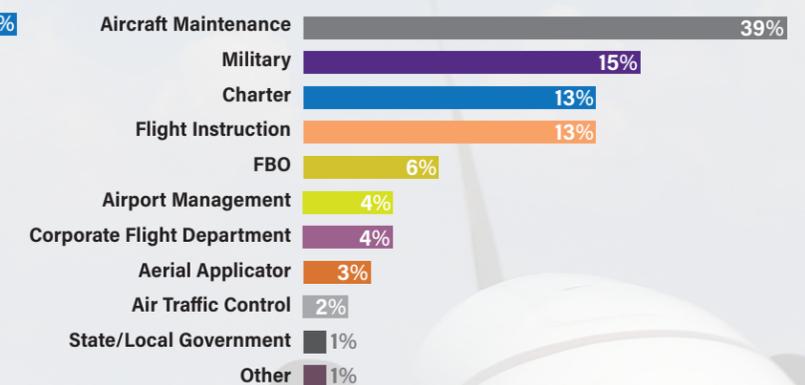


Percent of Direct Employment at Louisiana's Commercial Service Airports



The direct jobs that are found on-airport can be classified for purposes of better understanding the segments of aviation that create the most employment opportunity in Louisiana. The top aviation segments at Louisiana's commercial airports in terms of employment are charter, airlines, and rental car. The oil industry makes extensive use of helicopter charters to move workers to and from off-shore oil platforms.

Percent of Direct Employment at Louisiana's General Aviation Airports



At general aviation airports, aircraft maintenance, military units, charter, and flight instruction lead the direct employment numbers. Northrop Grumman's Lake Charles Maintenance and Modification Center at Chennault International Airport employs hundreds of people that support Navy and Air Force aircraft.

Qualitative Benefits

Louisiana's Airports Benefit Everyone

The quantitative economic benefits that come from Louisiana airports are apparent from the number of jobs they support and the significant economic output they generate. However, there are considerable qualitative benefits from Louisiana's airports that should be highlighted.

Many activities add to the quality of life for Louisiana residents but are difficult to assign a dollar value. Qualitative benefits typically enhance the health, welfare, or safety of individuals in and around the airport community.

Some examples of the **qualitative benefits** of aviation at Louisiana system airports include:

- Facilitating emergency medical transport
- Supporting statewide agricultural activities
- Providing support for law enforcement
- Conducting search and rescue operations
- Supporting the U.S. military and other government organizations
- Assisting with prisoner transport
- Providing education and entertainment opportunities through museums and air shows
- Hosting school field trips
- Serving as a staging area for community events

It is clear from the information gathered at many of Louisiana's airports that these qualitative benefits take place across the state. For example, Chennault International Airport holds its annual Chennault International Airshow that features military and civilian acts, along with static aircraft displays and family entertainment. Air Med Services makes use of numerous airports, including those in Hammond and Houma, to provide valuable life-saving services to all parts of Louisiana.

What is most notable about these and other examples is that no matter how large or small the contributions, all airports contribute in some way to the quality of life of Louisiana residents.

