



AVIATION ECONOMIC IMPACT REPORT

**EXECUTIVE SUMMARY**



## WHAT IS AVIATION'S IMPACT?

The Iowa DOT prepared the 2022 Aviation Economic Impact Report to better understand how the aviation system works and the importance of the aviation industry to the state's economy. Businesses and individuals rely on aviation to move them quickly and to deliver a variety of specialized aviation services that keep Iowa competitive. Aerospace businesses provide services and products that are crucial to the state and national economies. This summary highlights some of the many important uses of aviation throughout the state and identifies aviation's quantitative and qualitative benefits to residents and businesses.

## THE BIG ANSWER

**Aviation in Iowa has an impact of \$6.4 billion in total annual economic activity.** Economic activity is the sum of payroll and spending by organizations linked to aviation. Annual economic activity can be thought of as dollars flowing into the state's economy as a result of aviation activity. This figure includes businesses located on and off airports, construction activity, and visitor spending.

Nearly **41,000 total job impacts** are supported by aviation activities in Iowa. These jobs span across major industries that are the foundation of Iowa's economy.

In addition to economic impacts, aviation activity generates **\$124 million** in tax revenue annually, contributing to the financial well-being of state and local governments.



## WHAT DOES AVIATION INCLUDE?

Many kinds of uses and activities contribute to aviation's impact on the Iowa economy. "Aviation" includes any entity that is either directly involved in aviation, aviation services, or those that rely on and benefit from the presence of aviation services. Activity at airports can include anything from commercial passenger and air cargo flights, to pilot instruction and aircraft maintenance, to military aviation activities. These, plus other forms of aviation, add up to **SIGNIFICANT** economic impacts.

## FACTS & FIGURES

Iowa provides a high quality of life to its residents and offers a friendly business climate. This fact is influenced by a myriad of factors - aviation being a major one. Accessibility to aviation creates time-savings, economic efficiencies, and most importantly, enables human connections. Aviation is an important transportation asset and one worth investing in.

**250+** ON-AIRPORT BUSINESSES

**16** AIR AMBULANCE BASES

**\$105M** ANNUAL CAPITAL SPENDING

**400+** AG AIRCRAFT

**1 MILLION+** ANNUAL VISITORS

**20+** AEROSPACE BUSINESSES

**3,000+** AIRCRAFT

**\$425M** VISITOR SPENDING

**5,700+** PILOTS

**25+** AIRLINE NONSTOPS

Airports in Iowa provide positive customer experiences to commercial service passengers. Airline boardings have more than doubled since 1980, and are up nearly **50 percent** since 2000, processing more than **4 million** passengers annually.



## AVIATION SUPPORTS GROWTH OF IOWA'S BUSINESSES

### GAINING EFFICIENCY WITH AVIATION ACCESSIBILITY

Aviation is a tool that contributes to the efficiency and success of many companies in Iowa. Beyond jobs directly related to aviation, businesses are able to boost productivity through the use of general aviation, commercial aviation, and air cargo services.

In addition to the **41,000 total job impacts** supported by aviation activity, it is estimated that there are **166,000** Iowa-based employees that fly commercially each year. These employees are estimated to generate **\$10 billion** in annual payroll and **\$25 billion** in annual economic activity. It is important to note that these jobs are not entirely aviation dependent, but that aviation helps these employees and their companies be more efficient and successful.

#### DID YOU KNOW...

In addition to major air cargo carriers such as FedEx, UPS, DHL, and Amazon, numerous smaller cargo carriers deliver just-in-time shipments. From 2019 to 2020, **20 on-demand cargo carriers flew nearly 1,000 flights to and from 20 Iowa airports using smaller jet, turboprop, and piston aircraft.**



*Ease of access makes our business easier, but it is not a crucial factor...until we need to get someplace fast.*

**-Iowa Business Owner**

### CORPORATE, COMMERCIAL AND CARGO FLIGHTS KEEP IOWA BUSINESSES CONNECTED

Through study data collection efforts, nearly **1,400 businesses** were documented as using Iowa's airports. These businesses belong to a wide range of industries, from healthcare, to agriculture, to finance, and more.

According to data from FAA's National Offload Program, Iowa airports supported flights to **2,061 unique destinations across 49 states and 27 countries.**



**AVIATION IS CRUCIAL FOR IOWA BUSINESSES, HOSPITALS, AGRICULTURE, & MORE**

**BUSINESS AVIATION**

Vermeer Corporation in Pella relies upon aviation to conduct business and maintain its machinery at client sites around the country. The time-savings and efficiency realized from using aircraft near its facility makes the costs associated with general aviation well worth it.

When a piece of Vermeer equipment located across the country needs emergency maintenance, mechanics are sent directly to the site in the morning and can be back at home the same day. This capability keeps clients happy, generates business, and illustrates the value that Vermeer places on its employees' time and importance to the company.



**AIR AMBULANCE**

University of Iowa Hospitals and Clinics (UIHC) operates three air ambulance facilities around the state. Through its sites in Iowa City, Waterloo, and Dubuque, UIHC serves Iowa with 24/7 access to one of the most renowned hospital systems in the state.

UIHC bases facilitate emergency medical response missions as well as patient transport activity. With three helicopters in its fleet, UIHC has accessibility to remote locations, busy urban areas, and everywhere in between to serve Iowa's residents and visitors with around the clock care. The total annual economic impact associated with air ambulance operations in Iowa is estimated at \$449 million.

**AERIAL APPLICATION**

Agriculture is one of the pillars of Iowa's economy and aviation has an important role in maintaining that status. Agricultural sprayers based at Iowa airports, private facilities, or out-of-state airports use Iowa airports to refuel and restock to keep Iowa's farms healthy and productive throughout the growing season.

Over 5 million acres are sprayed by aircraft on an annual basis in Iowa, enhancing farm productivity and crop yields across the state. It is estimated that agricultural aviation contributes \$373 million to the state's economy each year as a result of increased crop productivity.



## DIVERSE ACTIVITY AT AIRPORTS ACROSS THE STATE



### CENTRAL IOWA

Des Moines International Airport (DSM) is the largest commercial service airport in Iowa. Legacy and low-cost carriers offer service to destinations around the U.S., connecting Iowans for business and leisure travel. Major businesses, like Meredith and Principal that employ over 7,000 people in Iowa, own and operate general aviation aircraft from the airport. Air cargo carriers including FedEx, UPS, and Amazon also operate at the airport. Finally, the airport has significant military, general aviation, control tower, rental car, and vehicle parking operations.

### WESTERN IOWA

Council Bluffs Municipal Airport (CBF) is a busy general aviation airport serving the Omaha metropolitan area's population of over one million. The fixed-base operator, Revv Aviation, is a regional brand that is a do-it-all aviation business providing charter, maintenance, flight instruction, and aircraft rental to users of all ability. The airport is also home to Iowa Western Community College's aircraft maintenance program, which is preparing the next generation of aircraft mechanics to meet the need for skills that are in high demand. Airport stakeholders seek to further diversify its user-base and are continuing to invest in hangar development and other opportunities to improve airport facilities and services.



### EASTERN IOWA

Iowa City Municipal Airport (IOW) is a major asset for this high-profile college town. The airport's fixed-base operator, Jet Air, provides critical flight services for medical patients and organ transplants. The University of Iowa maintains a presence at the airport through its healthcare provider, UIHC, as well as through the Operator Performance Laboratory, a research and flight test facility that is at the cutting edge of technology innovations. Throughout the year, and especially on fall game days, the airport is a hub of aircraft activity.

**DOING IT ALL: FIXED BASE OPERATORS**

**IOWA'S 62 FBOs  
SUPPORT OVER  
500 JOBS**

FIXED BASE OPERATORS, OR FBOs, ARE THE BACKBONE OF IOWA'S AIRPORTS, OFFERING MANY VITAL SERVICES THAT HELP USERS REACH THEIR HIGHEST POTENTIAL. LISTED BELOW ARE JUST A FEW OF THE IMPORTANT SERVICES OFFERED BY MANY FBOs THROUGHOUT IOWA.



*Aircraft  
Maintenance*

When an aircraft is in need of a repair, annual inspection, or overhaul, Iowa's FBOs are there to help get pilots back in the air.



*Charter*

Charter services offered by FBOs assist businesses, athletic teams, and even medical professionals get to where they need to be; on-time, anytime.



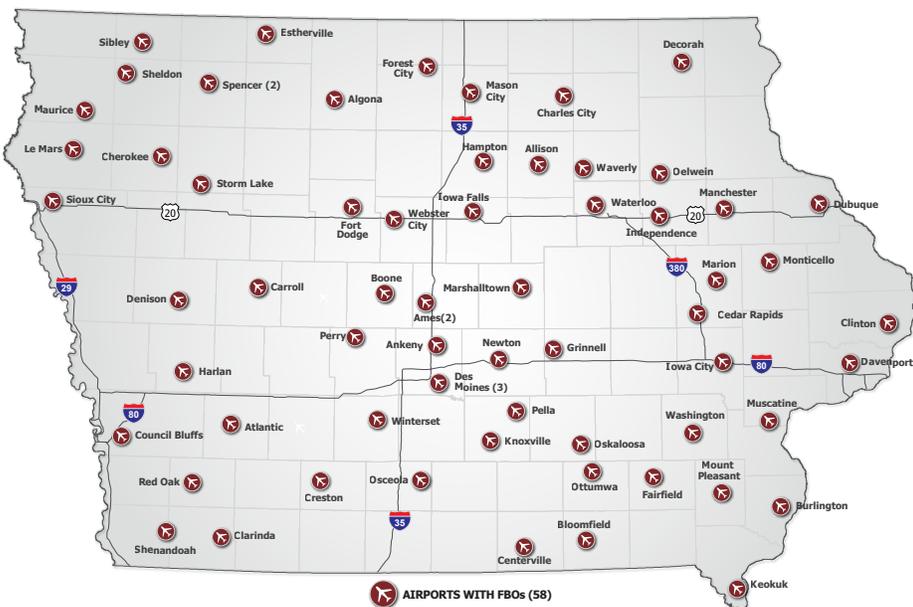
*Flight  
Instruction*

Flight instruction for prospective pilots or pilots seeking ratings/endorsements are available through many FBOs. The future pilot population is fostered through education and instruction offered at Iowa airports.



*Aircraft Rental*

Owning an aircraft may be out of reach for some pilots. Aircraft rentals are available through FBOs for training, travel, and recreational flying, providing an affordable and accessible alternative to aircraft ownership.



*FBOs Across the State*

**REPUTABLE BRANDS**

National and regional FBO brands that are well-known and highly regarded among the pilot community call numerous Iowa airports home.

**EXTENSIVE AVAILABILITY**

Often serving as the first impression of a community, Iowa's FBOs provide crucial services at **58 airports** around the state. These businesses offer important amenities for the general aviation community.

**IOWA AT THE LEADING EDGE**



**AIRLINE SERVICE**

Iowa is home to eight airports offering commercial airline service from seven different domestic carriers to more than 25 nonstops.



**UAS**

Over 3,000 remote pilots and a number of organizations in Iowa are using or developing Uncrewed Aircraft Systems. Iowa's remote pilot population has grown 54 percent annually over the past six years.



**ATHLETIC CHARTERS**

Collegiate, semi-professional, and professional sports teams rely on Iowa's airports to make our favorite sporting events possible including football, basketball, baseball, golf, volleyball, track, and auto racing.



**AEROSPACE**

Aerospace and aviation manufacturing businesses are located around the state and offer avionics, aircraft parts, and specialized repair.



**MILITARY**

Six military installations with aviation activity are located at airports in Boone, Davenport, Des Moines, Fort Dodge, Sioux City, and Waterloo.



**AIR CARGO**

Over 93,000 tons of cargo is shipped by air annually through Des Moines and Cedar Rapids.



**PUBLIC SAFETY**

Aircraft are used to support traffic enforcement, search and rescue, natural disaster response, major events, and emergency relays.



## INVESTING IN OUR AIRPORTS

### IMPROVEMENTS KEEP IOWA COMPETITIVE FOR THE FUTURE

The FAA, state, and local governments contribute to capital projects annually that range from pavement maintenance, to equipment purchases, to building improvements. Major private investments are often made possible with capital investment initiated by the airports. Examples include projects such as new cargo buildings for FedEx and UPS at Des Moines International and Eastern Iowa as well as those needed to support business aviation activity.



OVER THE PAST FIVE YEARS, AN AVERAGE OF **\$105 MILLION** WAS SPENT ANNUALLY ON CAPITAL PROJECTS AT IOWA AIRPORTS.

THIS SPENDING ON CONSTRUCTION ACTIVITY DIRECTLY SUPPORTS **OVER 500 JOBS.**



### RETURN ON CAPITAL INVESTMENT

Funding for capital expenditures from local governments helps leverage millions of dollars from the FAA and State of Iowa each year. Government financial assistance for airport projects also helps generate private investment, which averages approximately \$10 million annually.

CAPITAL EXPENDITURES: \$1



CORRELATES TO

ANNUAL ECONOMIC BENEFIT TO IOWA'S ECONOMY: \$16



**\$1** OF CAPITAL EXPENDITURES AT AIRPORTS CORRELATES TO **\$16** OF ANNUAL ECONOMIC BENEFIT TO THE STATE ECONOMY



**AIRPORT ACTIVITY ALSO GENERATES STATE AND LOCAL TAX REVENUES**

In addition to economic impacts, aviation activities are important contributors to state and local tax revenues. They generate significant taxable events and employee income tax payments.

**INCOME TAXES**

- Employees of airports and business tenants
- Capital investment-supported employees
- Visitor spending-supported employees

**SALES/USE TAX**

- Spending by business tenants
- Capital investment spending
- Visitor spending
- Aircraft use tax

**FEES**

- Aircraft registration
- Aviation fuel tax



**BENEFITS COME IN THE FORM OF:**



When these taxable events are considered, it's estimated that airports and airport-supported activities contribute **\$115 million** in annual state and local tax revenues. It is important to note that this estimate is based only on direct economic impacts identified in this analysis, not indirect/induced impacts.

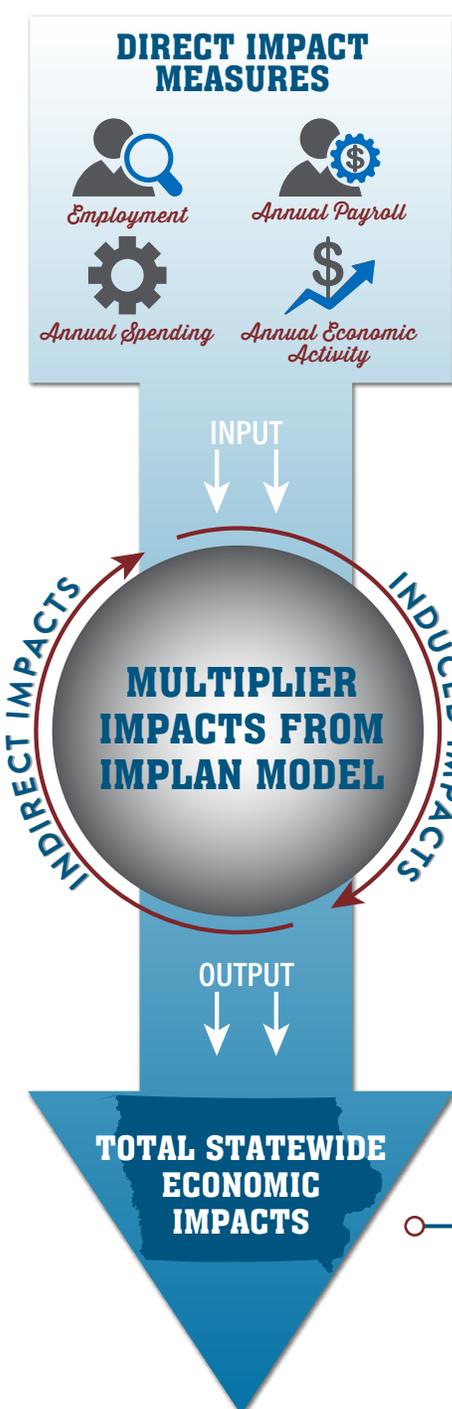
In addition to the above tax benefits, aviation activities generate over **\$9 million** in tax revenues from fuel sales, aircraft registration, and aircraft sales.



**TOGETHER ALL AVIATION-RELATED TAXES IN IOWA COMBINE FOR OVER \$124 MILLION IN TAX REVENUE.**

## ESTIMATING ECONOMIC IMPACTS: A BOTTOM-UP APPROACH

Good data is necessary to form the foundation of an accurate economic impact study. All Iowa airports and their business tenants were contacted as part of extensive study outreach. Outreach included airport visits, phone interviews, online surveys, email correspondence and research. Extensive follow-up and fact checking was conducted to ensure data validity each step of the way. An in-depth evaluation of aerospace and other aviation-centric businesses in Iowa was also conducted to estimate off-airport impacts.



Surveys and interviews were conducted to determine all direct impacts



### WHAT IS ANNUAL ECONOMIC ACTIVITY?

Annual economic activity represents dollars flowing into the economy from payroll and spending.



The economic data was filtered through a statistical input/output model (IMPLAN) to estimate indirect and induced impacts, sometimes known as multiplier impacts. These multiplier impacts represent the additional economic impact of airport-driven spending as it recirculates through the state economy.

Indirect and induced impacts are experienced in the state's economy as a result of the initial direct impacts. An indirect impact is the purchase of goods or services by a business in one industry from a business in a different industry; an induced impact is generated by spending of new income associated with direct and indirect impacts. Direct, indirect, and induced impacts are added together to determine the total economic impact.

### HOW DO WE GET TOTAL IMPACTS?

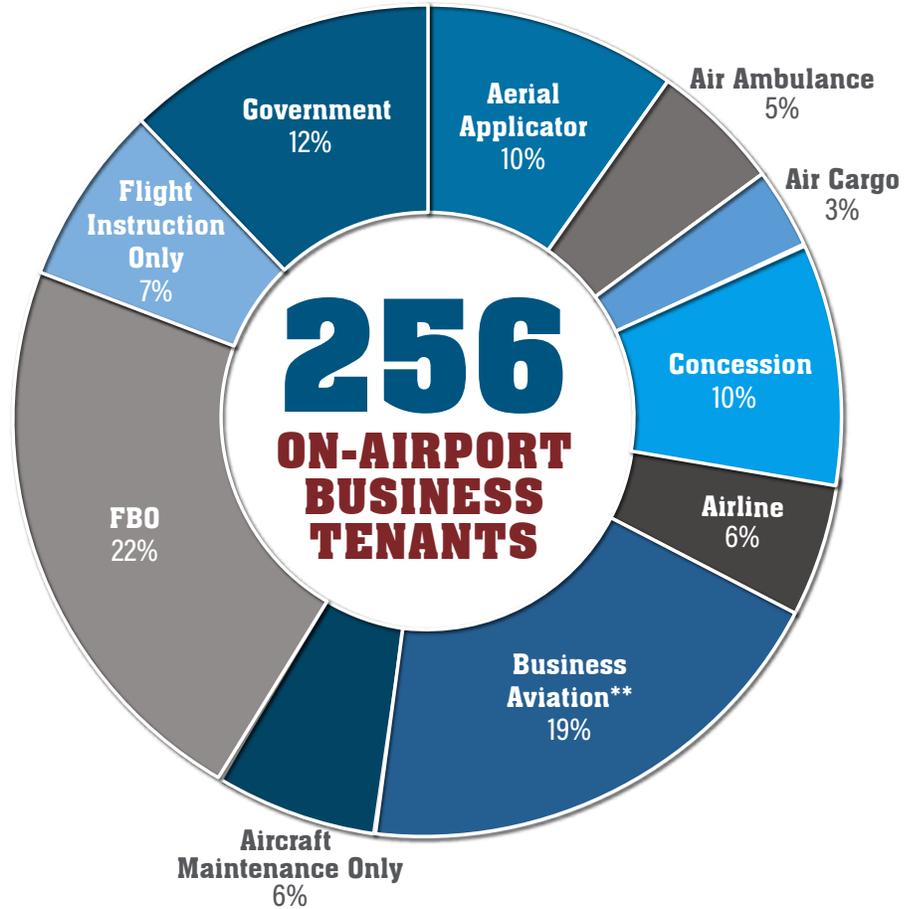
Economic impacts reflect not only direct impacts, but also indirect/induced impacts associated with multiplier effects. Using Iowa-specific inputs, the IMPLAN model was used to estimate indirect/induced impacts.



**SUMMARIZING IOWA AVIATION ECONOMIC IMPACTS**

**THE AVERAGE ON-AIRPORT JOB HAS A SALARY OF \$62,400 COMPARED TO THE AVERAGE STATEWIDE SALARY OF \$51,100\***

Iowa's airports and aviation businesses generate nearly four percent of the state gross domestic product. This economic activity is directly and indirectly tied to general aviation aircraft activity, commercial flights, capital investment, and aviation-related business enterprises that are located all throughout the state. The pie chart illustrates the general categories of aviation-related businesses at Iowa airports.



\*May 2021 Bureau of Labor Statistics, Iowa Mean Salary, All Occupations

\*\*Business Aviation includes Corporate Flight Departments and Charter. Government includes Military, TSA, FAA, and State Agencies.

**STATEWIDE ECONOMIC IMPACTS BY ACTIVITY GROUP**



IMPACT GROUPINGS	DIRECT JOBS	TOTAL JOB IMPACTS	TOTAL PAYROLL	TOTAL ANNUAL ECONOMIC ACTIVITY
ON-AIRPORT ACTIVITY MANAGEMENT & BUSINESS TENANTS	<b>4,400</b>	<b>6,800</b>	<b>\$362M</b>	<b>\$859M</b>
ANNUAL CONSTRUCTION INVESTMENT FEDERAL, STATE, LOCAL & PRIVATE PROJECTS	<b>520</b>	<b>1,000</b>	<b>\$38M</b>	<b>\$181M</b>
VISITOR SPENDING COMMERCIAL & GENERAL AVIATION VISITORS	<b>7,200</b>	<b>9,400</b>	<b>\$290M</b>	<b>\$697M</b>
AEROSPACE & AVIATION COMPANIES BUSINESSES LOCATED OFF-AIRPORT	<b>11,900</b>	<b>23,700</b>	<b>\$1.4B</b>	<b>\$4.6B</b>
<b>TOTAL</b>	<b>24,000</b>	<b>41,000</b>	<b>\$2.1B</b>	<b>\$6.4B</b>

City	Airport Name	FAA ID	Direct On-Airport Jobs*	Total Job Impacts**	Total Payroll	Total Spending	Total Annual Economic Activity
<b>COMMERCIAL SERVICE AIRPORTS</b>							
Burlington	Southeast Iowa Regional	BRL	23	113	\$4,119,300	\$7,878,500	\$11,997,800
Cedar Rapids	Eastern Iowa	CID	586	3,731	\$129,293,400	\$192,670,600	\$321,964,000
Des Moines	Des Moines International	DSM	1,715	8,487	\$321,192,000	\$430,747,200	\$751,939,200
Dubuque	Dubuque Regional	DBQ	135	455	\$21,145,300	\$33,034,000	\$54,179,300
Fort Dodge	Fort Dodge Regional	FOD	97	200	\$10,801,200	\$76,408,100	\$87,209,300
Mason City	Mason City Municipal	MCW	45	158	\$6,054,600	\$7,612,100	\$13,666,700
Sioux City	Sioux Gateway/Brig Gen Bud Day Field	SUX	717	1,192	\$73,443,500	\$78,245,900	\$151,689,400
Waterloo	Waterloo Regional	ALO	145	341	\$18,728,400	\$19,114,200	\$37,842,600
<b>ENHANCED SERVICE AIRPORTS</b>							
Ames	Ames Municipal	AMW	20	94	\$3,011,900	\$4,874,300	\$7,886,200
Ankeny	Ankeny Regional	IKV	91	256	\$11,150,100	\$34,781,600	\$45,931,700
Carroll	Carroll Municipal - Arthur N. Neu	CIN	16	39	\$1,827,300	\$2,804,000	\$4,631,300
Clinton	Clinton Municipal	CWI	5	37	\$1,227,700	\$2,125,800	\$3,353,500
Council Bluffs	Council Bluffs Municipal	CBF	72	208	\$8,188,700	\$13,609,700	\$21,798,400
Davenport	Davenport Municipal	DVN	64	144	\$6,954,700	\$10,127,200	\$17,081,900
Fairfield	Fairfield Municipal	FFL	4	19	\$801,200	\$1,532,700	\$2,333,900
Independence	Independence Municipal - James H Connell Field	IIB	8	18	\$653,400	\$1,585,400	\$2,238,800
Iowa City	Iowa City Municipal	IOW	77	241	\$9,192,800	\$14,373,500	\$23,566,300
Keokuk	Keokuk Municipal	EOK	4	11	\$430,700	\$1,291,000	\$1,721,700
Marshalltown	Marshalltown Municipal	MIW	11	50	\$1,696,500	\$3,428,200	\$5,124,700
Muscatine	Muscatine Municipal	MUT	8	41	\$1,550,200	\$2,982,300	\$4,532,500
Newton	Newton Municipal-Earl Johnson Field	TNU	19	53	\$2,051,900	\$3,843,000	\$5,894,900
Ottumwa	Ottumwa Regional	OTM	14	71	\$2,922,200	\$6,762,200	\$9,684,400
Sioux County	Sioux County Regional	SXK	26	90	\$3,319,500	\$7,807,800	\$11,127,300
Spencer	Spencer Municipal	SPW	18	57	\$2,180,600	\$4,995,200	\$7,175,800
<b>GENERAL SERVICE AIRPORTS</b>							
Algona	Algona Municipal	AXA	10	34	\$1,743,500	\$3,491,800	\$5,235,300
Atlantic	Atlantic Municipal	AIO	6	16	\$646,100	\$1,488,600	\$2,134,700
Boone	Boone Municipal	BNW	140	193	\$9,471,000	\$2,979,000	\$12,450,000
Centerville	Centerville Municipal	TVK	2	10	\$337,900	\$856,400	\$1,194,300
Charles City	Northeast Iowa Regional	CCY	10	30	\$1,174,500	\$2,711,400	\$3,885,900
Cherokee	Cherokee County Regional	CKP	1	11	\$391,700	\$896,200	\$1,287,900
Creston	Creston Municipal	CSQ	4	25	\$804,700	\$2,965,900	\$3,770,600
Decorah	Decorah Municipal	DEH	21	49	\$2,513,700	\$5,531,500	\$8,045,200
Denison	Denison Municipal	DNS	9	24	\$1,063,100	\$2,032,600	\$3,095,700
Estherville	Estherville Municipal	EST	7	17	\$774,800	\$1,280,500	\$2,055,300
Forest City	Forest City Municipal	FXY	3	11	\$415,100	\$820,500	\$1,235,600
Grinnell	Grinnell Regional	GGI	4	18	\$1,016,400	\$1,716,900	\$2,733,300
Hampton	Hampton Municipal	HPT	2	6	\$206,700	\$408,200	\$614,900

\*Direct On-Airport Jobs = Airport sponsor and business tenant employees. \*\*Total Job Impacts = All aviation-generated employees including construction, visitor-supported, and multiplier effects.

City	Airport Name	FAA ID	Direct On-Airport Jobs*	Total Job Impacts**	Total Payroll	Total Spending	Total Annual Economic Activity
Harlan	Harlan Municipal	HNR	1	7	\$260,200	\$669,600	\$929,800
Iowa Falls	Iowa Falls Municipal	IFA	4	21	\$891,900	\$2,624,200	\$3,516,100
Knoxville	Knoxville Municipal	OXV	11	35	\$1,482,900	\$2,744,400	\$4,227,300
Le Mars	Le Mars Municipal	LRJ	5	26	\$1,139,200	\$2,792,600	\$3,931,800
Monticello	Monticello Regional	MXO	6	20	\$640,200	\$1,110,800	\$1,751,000
Mount Pleasant	Mount Pleasant Municipal	MPZ	5	21	\$780,700	\$2,434,200	\$3,214,900
Oelwein	Oelwein Municipal	OLZ	5	14	\$563,000	\$1,033,000	\$1,596,000
Osceola	Osceola Municipal	I75	1	3	\$100,500	\$397,000	\$497,500
Oskaloosa	Oskaloosa Municipal	OOA	5	13	\$543,400	\$1,162,700	\$1,706,100
Pella	Pella Municipal	PEA	23	60	\$2,990,900	\$3,921,500	\$6,912,400
Perry	Perry Municipal	PRO	10	36	\$1,553,800	\$4,411,500	\$5,965,300
Red Oak	Red Oak Municipal	RDK	10	24	\$1,016,000	\$2,089,300	\$3,105,300
Sheldon	Sheldon Regional	SHL	5	15	\$548,600	\$1,171,100	\$1,719,700
Shenandoah	Shenandoah Municipal	SDA	4	10	\$345,600	\$1,384,100	\$1,729,700
Storm Lake	Storm Lake Municipal	SLB	8	27	\$1,159,600	\$1,701,200	\$2,860,800
Vinton	Vinton Veterans Memorial Airpark	VTI	4	11	\$304,600	\$441,300	\$745,900
Washington	Washington Municipal	AWG	3	18	\$662,000	\$1,377,400	\$2,039,400
Webster City	Webster City Municipal	EBS	13	35	\$1,464,700	\$3,189,800	\$4,654,500

**BASIC SERVICE AIRPORTS**

Belle Plaine	Belle Plaine Municipal - Mansfield Tippie	TZT	1	2	\$122,900	\$259,400	\$382,300
Bloomfield	Bloomfield Municipal	4K6	2	7	\$235,900	\$612,700	\$848,600
Chariton	Chariton Municipal	CNC	<1	<1	\$60,500	\$204,400	\$264,900
Clarinda	Clarinda Municipal - Schenck Field	ICL	1	5	\$189,100	\$465,100	\$654,200
Clarion	Clarion Municipal	CAV	<1	8	\$273,900	\$735,400	\$1,009,300
Emmetsburg	Emmetsburg Municipal	EGQ	<1	<1	\$7,400	\$123,000	\$130,400
Fort Madison	Fort Madison Municipal	FSW	3	5	\$330,500	\$661,900	\$992,400
Greenfield	Greenfield Municipal	GFZ	<1	3	\$112,500	\$296,000	\$408,500
Jefferson	Jefferson Municipal	EFW	2	12	\$417,400	\$1,573,600	\$1,991,000
Lamoni	Lamoni Municipal	LWD	11	27	\$1,275,700	\$2,368,300	\$3,644,000
Manchester	Manchester Municipal	C27	<1	<1	\$48,200	\$193,600	\$241,800
Marion	Marion	C17	10	26	\$1,006,700	\$1,914,600	\$2,921,300
Pocahontas	Pocahontas Municipal	POH	7	19	\$777,300	\$1,472,400	\$2,249,700
Rock Rapids	Rock Rapids Municipal	RRQ	4	9	\$377,400	\$823,500	\$1,200,900
Sac City	Sac City Municipal	SKI	1	2	\$109,000	\$211,100	\$320,100
Sibley	Sibley Municipal	ISB	2	5	\$196,700	\$436,600	\$633,300
Waverly	Waverly Municipal	C25	7	27	\$947,300	\$2,049,100	\$2,996,400
West Union	West Union Municipal - George L Scott	3Y2	<1	<1	\$56,900	\$182,100	\$239,000
Winterset	Winterset Municipal	3Y3	10	23	\$789,600	\$1,240,600	\$2,030,200

\*Direct On-Airport Jobs = Airport sponsor and business tenant employees. \*\*Total Job Impacts = All aviation-generated employees including construction, visitor-supported, and multiplier effects.

City	Airport Name	FAA ID	Direct On-Airport Jobs*	Total Job Impacts**	Total Payroll	Total Spending	Total Annual Economic Activity
<b>LOCAL SERVICE AIRPORTS</b>							
Ackley	Ackley Municipal	4C7	<1	<1	\$19,300	\$20,700	\$40,000
Albia	Albia Municipal	4C8	<1	<1	\$15,600	\$39,300	\$54,900
Allison	Allison Municipal	K98	3	5	\$238,600	\$10,600	\$249,200
Amana	Amana	C11	5	10	\$656,700	\$284,300	\$941,000
Anita	Anita Municipal-Kevin Burke Memorial Field	Y43	<1	<1	\$9,700	\$7,500	\$17,200
Audubon	Audubon County	ADU	12	26	\$1,314,900	\$1,697,500	\$3,012,400
Bedford	Bedford Municipal	Y46	<1	<1	\$13,800	\$21,800	\$35,600
Belmond	Belmond Municipal	Y48	1	2	\$102,600	\$166,100	\$268,700
Corning	Corning Municipal	CRZ	<1	<1	\$17,800	\$39,600	\$57,400
Cresco	Cresco Municipal - Ellen Church Field	CJJ	<1	<1	\$7,900	\$27,000	\$34,900
Dyersville	Dyersville Area	IA8	<1	<1	\$4,900	\$30,900	\$35,800
Eagle Grove	Eagle Grove Municipal	EAG	<1	<1	\$21,300	\$41,800	\$63,100
Eldora	Eldora	27P	<1	<1	\$9,200	\$22,800	\$32,000
Elkader	Elkader	I27	<1	<1	\$21,800	\$15,600	\$37,400
Grundy Center	Grundy Center Municipal	6K7	<1	<1	\$7,500	\$8,900	\$16,400
Guthrie Center	Guthrie County Regional	GCT	<1	8	\$303,800	\$1,057,800	\$1,361,600
Humboldt	Humboldt Municipal	0K7	1	4	\$197,700	\$500,800	\$698,500
Ida Grove	Ida Grove Municipal	IDG	<1	<1	\$6,700	\$31,100	\$37,800
Keosauqua	Keosauqua Municipal	6K9	1	2	\$98,500	\$76,500	\$175,000
Lake Mills	Lake Mills Municipal	0Y6	<1	<1	\$16,300	\$39,000	\$55,300
Larchwood	Larchwood - Zangger Vintage Airpark	2VA	<1	<1	\$18,300	\$56,000	\$74,300
Mapleton	Mapleton - James G Whiting Memorial Field	MEY	1	3	\$135,700	\$288,200	\$423,900
Maquoketa	Maquoketa Municipal	OQW	<1	<1	\$37,100	\$176,600	\$213,700
Milford	Milford Municipal - Fuller	4D8	1	3	\$170,700	\$302,600	\$473,300
Monona	Monona Municipal	7C3	<1	<1	\$9,400	\$13,100	\$22,500
Montezuma	Montezuma Sig Field	7C5	<1	<1	\$7,100	\$23,300	\$30,400
Mount Ayr	Mount Ayr Municipal - Judge Lewis Field	1Y3	<1	<1	\$25,000	\$133,000	\$158,000
New Hampton	New Hampton Municipal	1Y5	<1	1	\$72,100	\$184,100	\$256,200
Northwood	Northwood Municipal	5D2	<1	<1	\$12,000	\$19,900	\$31,900
Osage	Osage Municipal	D02	<1	<1	\$18,000	\$24,800	\$42,800
Paullina	Paullina Municipal	1Y9	<1	<1	\$8,600	\$20,200	\$28,800
Ringsted	Peltz Field	8Y8	1	2	\$78,600	\$99,300	\$177,900
Rockwell City	Rockwell City Municipal	2Y4	<1	<1	\$38,500	\$115,600	\$154,100
Spirit Lake	Spirit Lake Municipal	0F3	<1	2	\$86,200	\$205,100	\$291,300
Sully	Sully Municipal	8C2	<1	<1	\$9,300	\$12,900	\$22,200
Tipton	Tipton Municipal - Mathews Memorial	8C4	<1	1	\$53,200	\$236,900	\$290,100
Toledo	Toledo Municipal	8C5	<1	<1	\$7,700	\$6,100	\$13,800
Traer	Traer Municipal	8C6	2	4	\$197,300	\$335,900	\$533,200
Waukon	Waukon Municipal	Y01	<1	<1	\$12,000	\$42,700	\$54,700
Woodbine	Woodbine Municipal	3Y4	<1	<1	\$11,100	\$20,600	\$31,700

\*Direct-On-Airport Jobs = Airport sponsor and business tenant employees. \*\*Total Job Impacts = All aviation-generated employees including construction, visitor-supported, and multiplier effects.



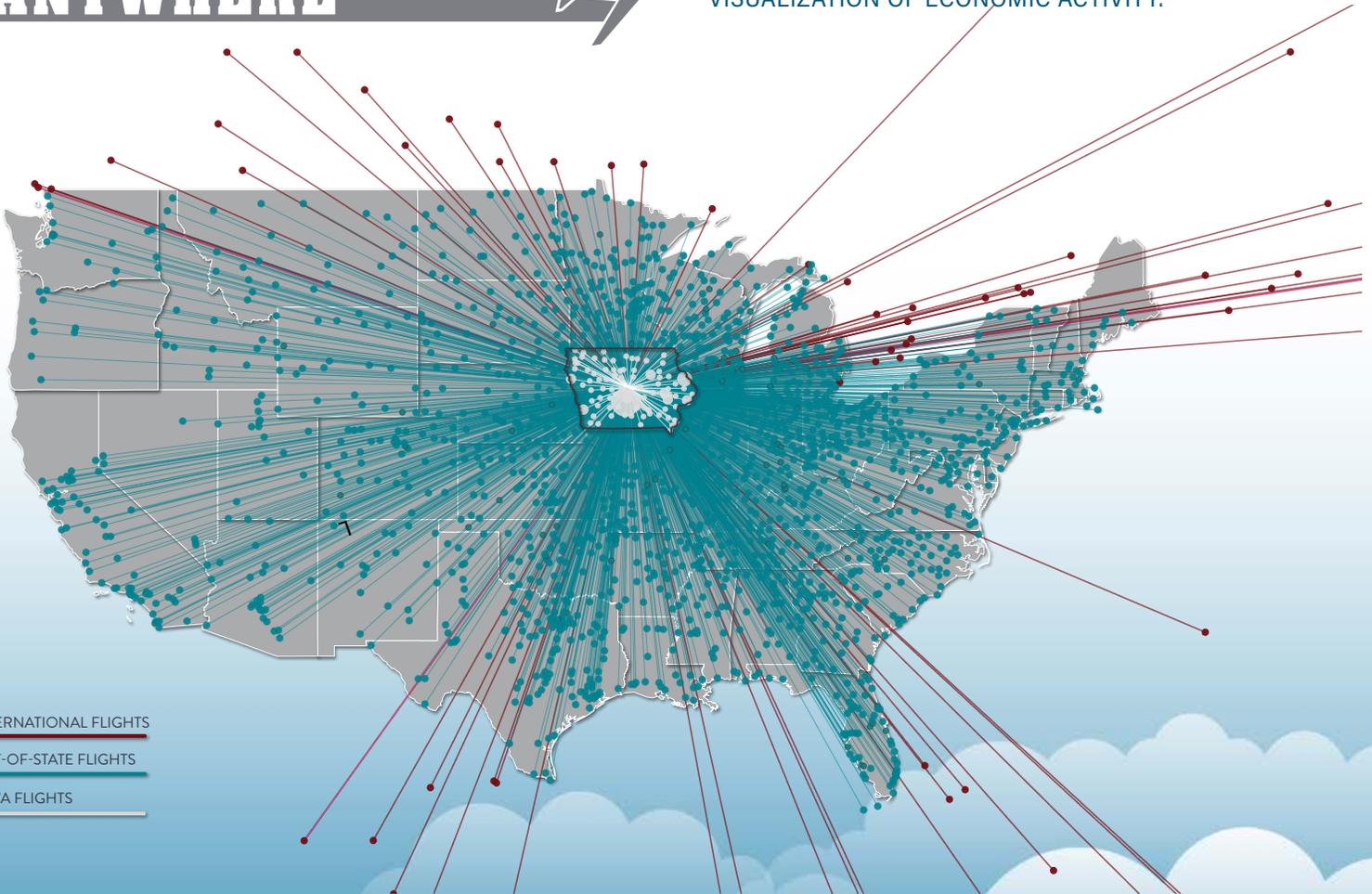
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