

Aviation

Gives Us a Lift!



Medical

Cargo



Passenger Air Service



Recreation



Business



Personal Travel



Aerial Application



iawings.com

Iowa Department of Transportation Office of Aviation

Michelle McEnany, Director

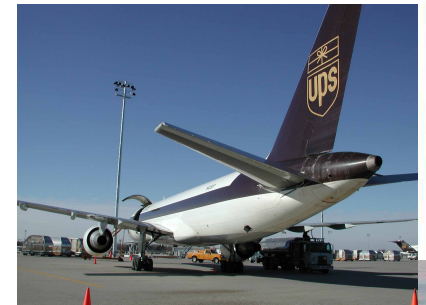
Presented to CTRE

April 28, 2006



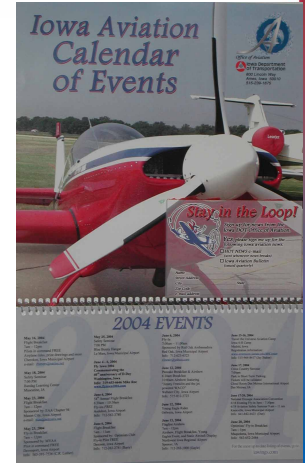
Aviation is Important to Iowa

- 111 Public Use Airports
- 6,800 Active Pilots
- 3,800 Registered Aircraft
- 1.4M Annual Aircraft Operations
 - (88% General Aviation)
- 3M Air Service Passengers
- 250M Pounds of Cargo
- \$834M Economic Impact
- 10,000 Jobs

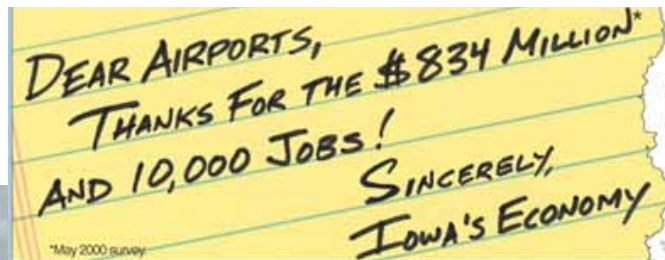


Office of Aviation

- Promote air transportation
- Airport development
- Aviation safety
- Partnerships



Statewide Aviation
Weather Reporting
Stations



iawings.com



Windsocks

Runway Markings



Iowa Aviation System Goals

- **Development** that meets current and future needs
- **Economic support** that sustains and enhances Iowa's economy
- **Safety & security**
- **Accessibility** from the ground and the air
- **Education**, career opportunities, and outreach to promote benefits of Iowa's air transportation system



More than 250 million pounds of air cargo is handled annually in Iowa due to its central location in the United States. Air cargo provides an economic boost to the state.

Jobs!

A Boeing 757 prepares to depart the Des Moines International Airport with a load of cargo.

Aviation plays an important role in medical emergencies and providing health care to rural areas.

Jobs!

4000 operations annually!



Life Flight departs to transport a patient to a trauma center.
Photo submitted by John Halbrook.

Businesses use aviation to enhance employee productivity and efficiency.



Jobs!

A business jet is refueled at The Eastern Iowa Airport. Photo submitted by Dick Blum.

Jobs!

Aircraft have a wide range of uses including photography, surveying, news reporting, and search and rescue.



This Hughes helicopter/tree trimmer was used in the summer of 2004 to trim branches away from power lines.
Photo submitted by Leigh Ann Gibbs.

Jobs!

There are more than 50 Iowa-based
aerial applicators licensed to apply
crop protection products in Iowa.



Photo submitted by Bill Owen.

The sky over Iowa is not the limit. Aviation creates career opportunities for Iowans.



Iowa native Michael Chandler is the commander and lead pilot for the United States Air Force Thunderbirds.

Jobs!

General aviation aircraft make up
96 percent of the U.S. civilian aircraft
fleet and 75 percent of all U.S. flights.

Jobs!



Photo submitted by Nolan F. Wehr.



Skydiving over Fort Dodge
Photo submitted by Ty Reidenbach.



Photo submitted by Floyd Taber.

**Balloons and skydiving
are popular
recreational activities
in Iowa.**

Jobs!

Fly-ins and air shows are popular aviation activities.

Jobs!

Five Taylorcraft fly in formation over Blakesburg on Labor Day weekend. Photo submitted by Gilles Auliard.

Homebuilt aircraft are the largest source of newly registered single-engine aircraft.



Jobs!

A homebuilt RV-6 at the Boone Municipal Airport
Photo submitted by Leigh Ann Gibbs.



Development and sales
of aircraft supplies and
technology provide an
economic boost to the
Iowa economy.

Companies like Alcoa's Davenport Works and Iowa-based Rockwell Collins are major suppliers to aircraft manufacturers and the military. Photo submitted by John Halbrook.

Jobs!

Photo submitted by Dick Blum.

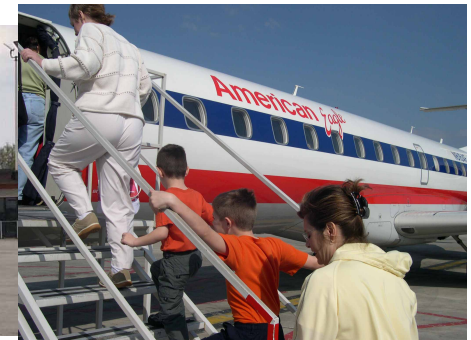


Jobs!

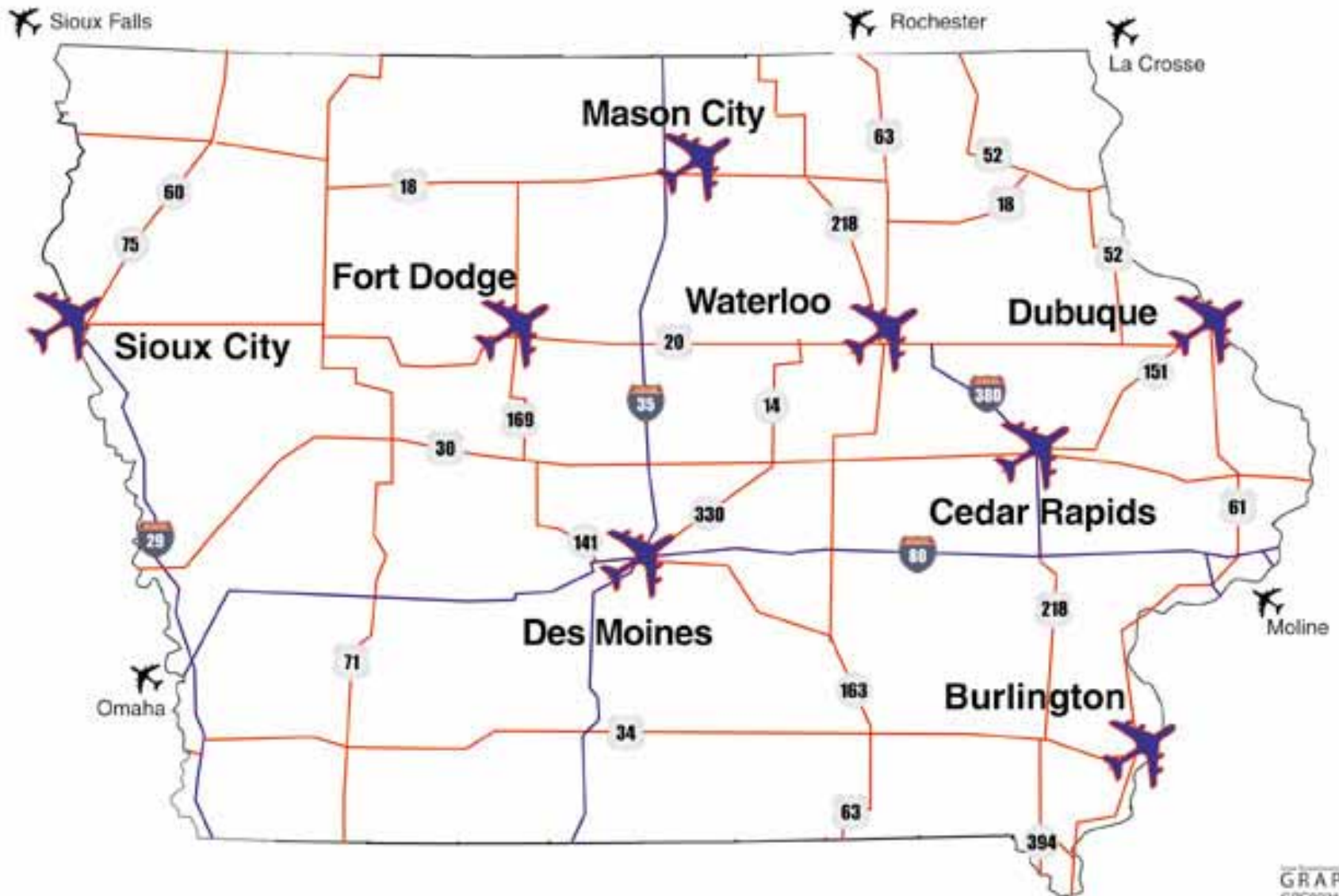
Iowa's eight commercial service airports handle more than 3 million passengers per year, providing a significant economic impact that fuels our state through employment, spending, and supporting businesses.

Passenger Air Service

- Quality of life
- Connectivity to the world
- Economic development



Commercial Service Airports



Passengers Through Iowa Commercial Airports

2004

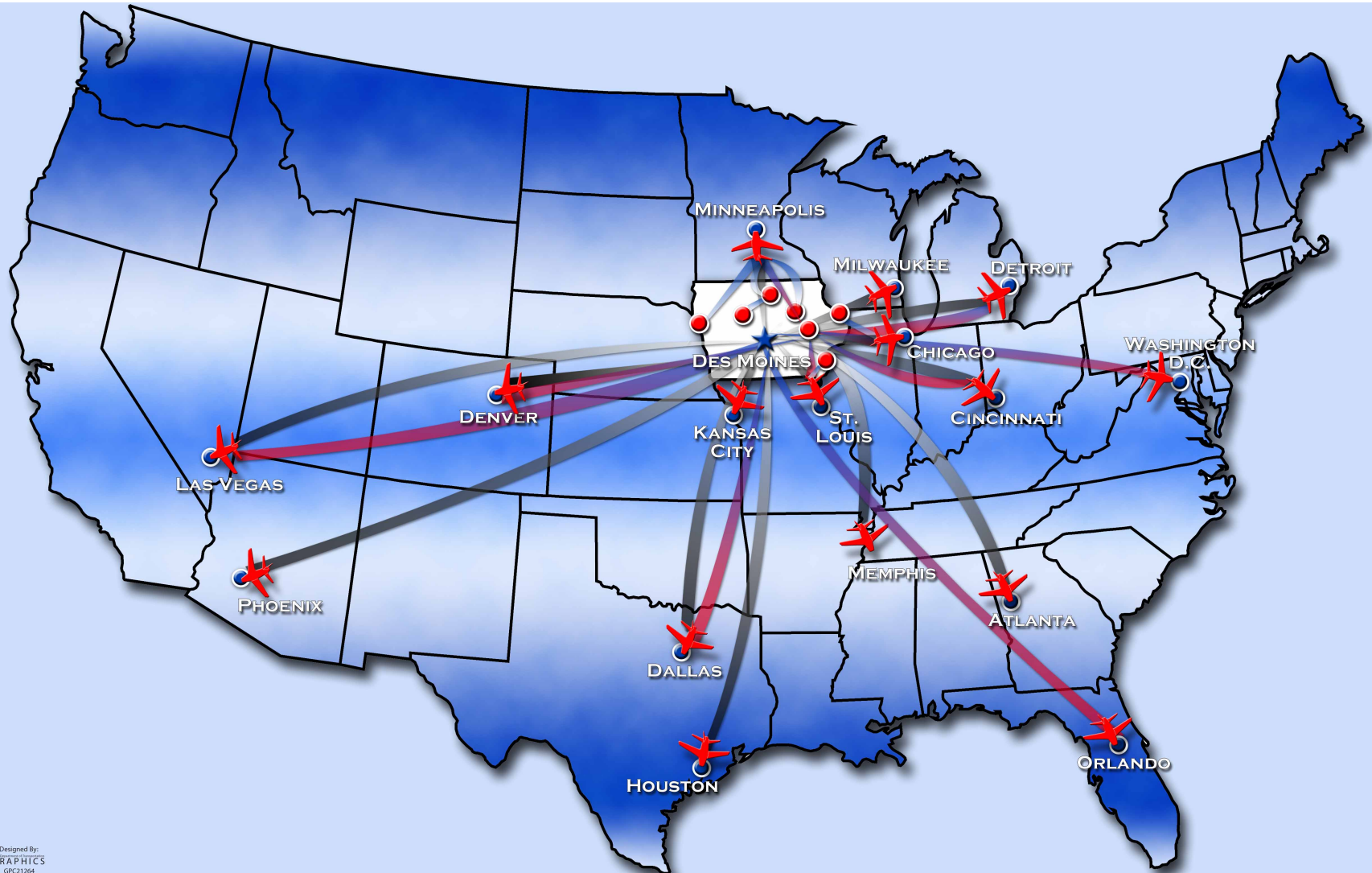
Airport	Passengers	Percentage
Des Moines	1,990,000	62
Cedar Rapids	940,000	29
Sioux City	82,000	2.5
Waterloo	82,000	2.5
Dubuque	76,000	2.4
Mason City	31,000	1
Fort Dodge	17,000	<1
Burlington	15,000	<1
Total	3.2M	100

Flights from Iowa Airports

(Spring 2005)

Airport	Airlines	Direct Destinations	Daily Flights
Des Moines	6	15	45
Cedar Rapids	5	8	41
Sioux City	1	1	7
Waterloo	1	1	8
Dubuque	1	1	4
Mason City	1	1	3
Fort Dodge	1	1	3
Burlington	1	1	3

Non-Stop Flights from Iowa Airports



Issues facing air service in Iowa

- Direct flights
- Lack of route competition
 - (6/8 airports have one carrier)
- Passenger screening (wait times)
- Congestion at connecting airports
- Airline health
- Leakage???



How Does Iowa Attract and Retain Quality Air Service?

- Fly from Iowa airports
Airlines will not take chances. We must show them the numbers!
- Incentives are a part of the game!
- Airlines will not set up in a community if they are going to steal business from themselves. (Southwest and Omaha example)



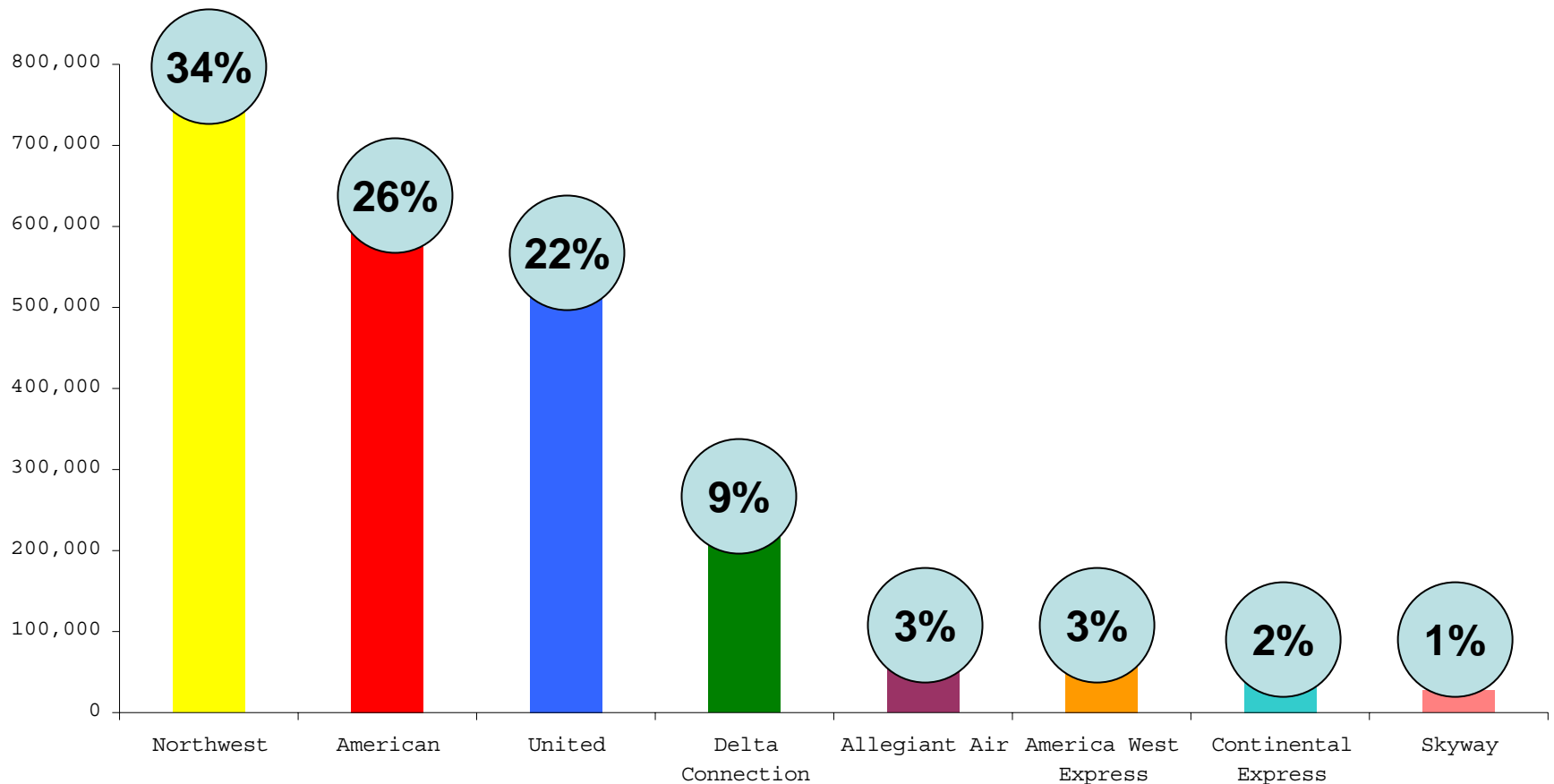
Airlines Serving Iowa

ANNUAL AIR SERVICE SEATS FROM IOWA AIRPORTS

TOTAL SEATS BY AIR CARRIER

Prepared by Iowa DOT - Office of Aviation

2,302,144 Seats Available - Jan 2005



Passenger Air Service Trends

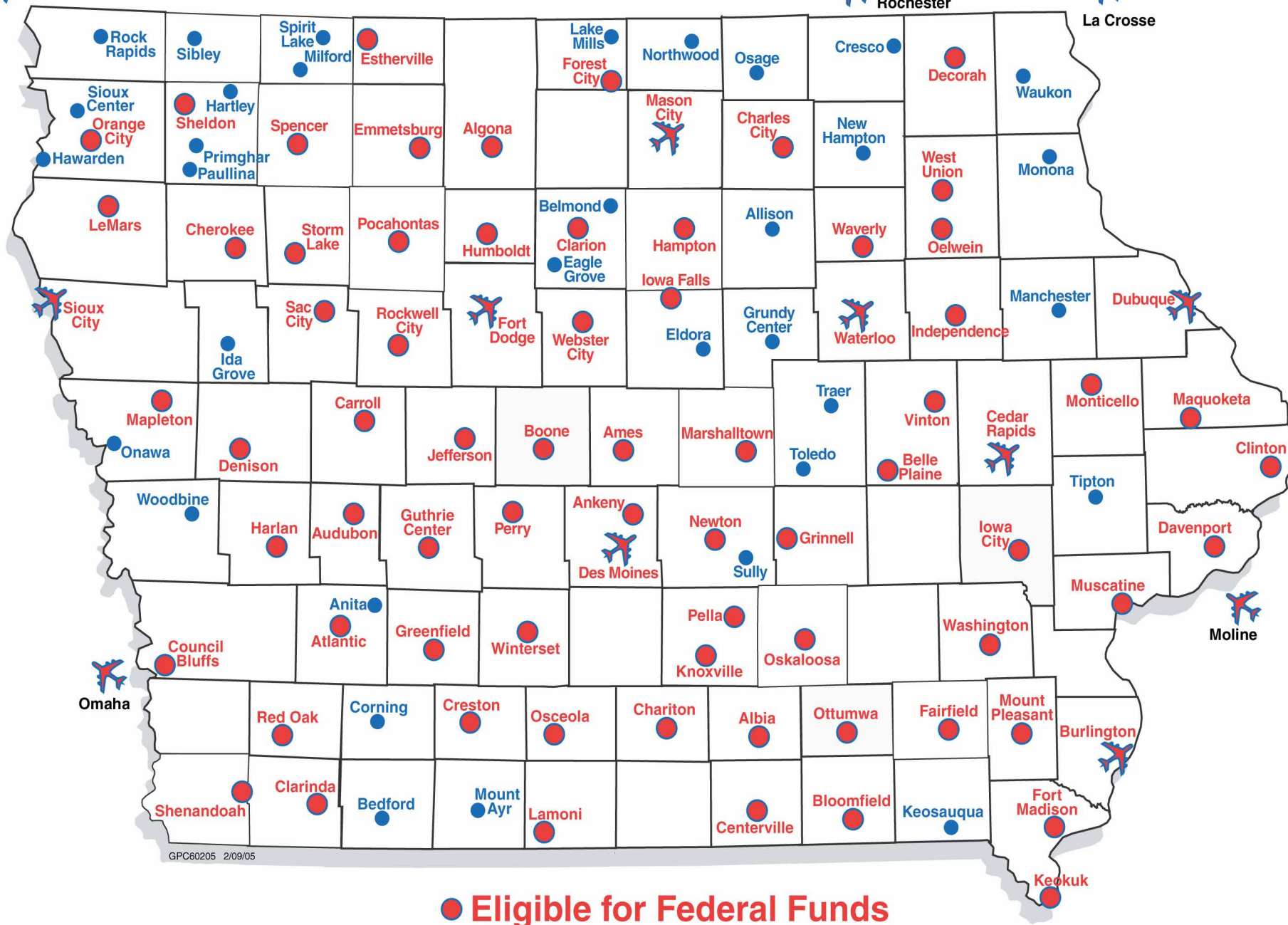
- Network carriers are in trouble
 - Global route system
 - Pressure from fuel and low cost carriers
- Low-cost Airlines
 - Point to point
 - Lower cost (simple route structure, one type of plane, newer work force, fewer perks)
 - Putting pressure on network carriers
 - Allegiant Airlines service to Las Vegas and Orlando



General Aviation

- Small grass fields to enhanced regional airports
- Benefits of GA
 - 5,400 public use airports nationwide- point to point access- Time savings
 - Business and personal travel
 - Charter
 - Other uses (Your Local Airport brochure)





GPC60205 2/09/05

Demand

- Aviation forecast for the U.S. and Iowa shows positive growth for the next 20 years.
 - Estimates of 1-5% annual growth
 - But, there are some dynamics that could change that:



Future Market Drivers

- Time management
- Sport Pilot Rule
- New generation aircraft
 - Very Light Jets (VLJ) a.k.a. MicroJets
 - Lower acquisition/operating expenses



New Aircraft Shipments

- Piston aircraft hit 20 year high in 2004

<u>Aircraft Shipments</u>	<u>2005</u>
Pistons	2465
Turboprops	365
Business Jets	750
Total	3,580



Ponder this.....

- According to FAA/NASA report, if 2% of airline passengers convert to using general aviation, this alone would double air traffic in the U.S.
- FAA forecast passenger air service to increase from 688 million in 2004 to more than 1 billion by 2015.



Effect of Growing Aviation Market

- Economic Impact
- Jobs
 - Pilots
 - Mechanics
 - Travel agents
 - Support personnel
 - Education
 - Suppliers



Summary

- Aviation will continue to create jobs
- Aviation is strong and shows signs of growth
 - **General aviation** is poised for growth
 - **Commercial aviation** faces challenges, but is still forecasted to see significant growth.



For more information on aviation,
go to the Office of Aviation web site
at iawings.com

