

# PENNSYLVANIA Airports Economic Impact



## The Pennsylvania Airport System

Pennsylvania's aviation industry continues to provide high quality jobs and spur important local spending by on-airport businesses and agencies. The commonwealth's system of 15 commercial service and 117 general aviation airports connects Pennsylvania businesses and residents to the national and global economy. This system is comprised of a network of airports, airlines, air cargo businesses, corporate flight departments, pri-

vate aircraft owners, and recreational airplane pilots. Manufacturers in the state rely on airports to access markets and to receive supplies. Businesses rely on airports to conduct face-to-face meetings with customers and business associates within the United States and abroad. Leisure travelers use airports to reach recreational and tourist sites and to visit with family and friends.

## Pennsylvania's Total Annual Economic Impacts from Aviation

When all of the impacts of Pennsylvania's system airports are added together, nearly 304,500 total jobs can be traced to the aviation industry. These employees receive more than \$9.2 billion in total payroll, and generate nearly \$23.6 billion in total economic activity. In addition, Pennsylvania's airports provide a number of health, welfare, and safety benefits, the impacts of which are immeasurable. Such services include aerial agricultural spraying, medical transport and evacuation, flight training, law enforcement, wildlife management, military exercises, and search and rescue operations.

### Impact Measures

*Employment* measures the number of full-time equivalent (FTE) jobs related to airport activity, including on-airport

construction. A part-time employee is counted as half a full-time employee.

*Payroll* measures the total annual wages and benefits paid to all workers whose salaries are directly attributable to airport activity.

*Economic Activity (Output)* measures the value of goods and services related to airports in Pennsylvania. The output of on-airport businesses is typically assumed to be the sum of annual gross sales and average annual capital expenditures.

**Total Jobs – 304,464**

**Total Payroll – \$9.2 billion**

**Total Output – \$23.6 billion**

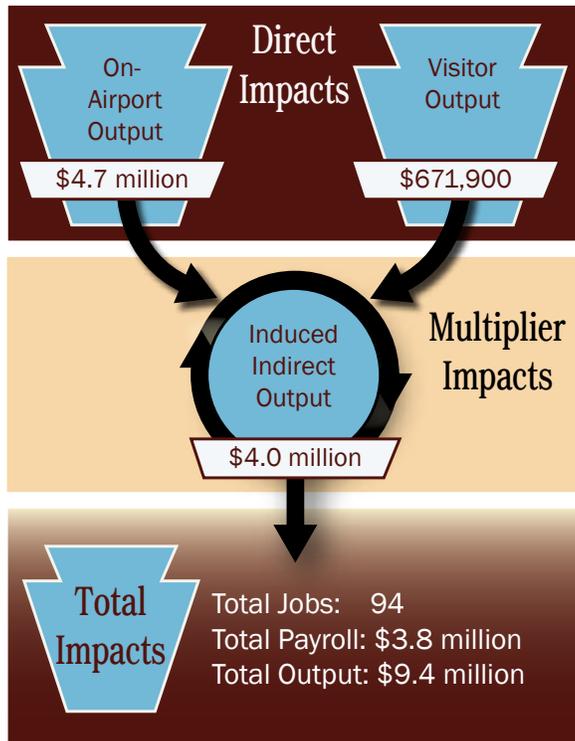
## Study Process

This study, sponsored by the Pennsylvania Department of Transportation, Bureau of Aviation, analyzes the economic impact of Pennsylvania's aviation industry as a whole, as well as the impacts of its individual airports. The study confirms that many people—beyond the immediate environs of each airport—derive significant economic benefits from the daily operation of the airport system. The study also evaluates some of the less-quantifiable impacts linked with aviation, such as health, safety, recreation, education, and overall community strength.

A detailed modeling effort was undertaken to quantify the economic impacts of on-airport activities (airlines, fixed base operators, flight schools, corporate flight departments, government, and various other business). Also quantified were the impacts derived from the expenditures of visitors who arrive via scheduled service and general aviation aircraft. These on-airport impacts and visitor expenditures support additional economic activity throughout Pennsylvania.

As initial waves of activities associated with the airport system are released into Pennsylvania's economy, successive waves of employment, payroll, and economic benefit occur. These additional benefits are measured using sector-specific employment, payroll, and economic impact multipliers.

# Economic Impact of Brandywine Airport



Source: Wilbur Smith Associates

## Impact Types

*Direct Impacts* include both direct impacts related to on-airport businesses and government agencies, and off-airport impacts, which are usually attributable to visitor spending.

*Multiplier Impacts* are comprised of indirect and induced impacts. These impacts are attributed to employees spending their earnings at local businesses, and the on-airport businesses purchasing goods and services locally. This re-circulation is commonly referred to as the “multiplier effect.”

*Total Impacts* are the combination of all direct, indirect, and induced impacts.



## Qualitative Benefits

Brandywine Airport is located in Chester County and is approximately 20 miles west of downtown Philadelphia. West Chester is 3 miles from the airport which is surrounded by the Brandywine Industrial Park. Primary access to the airport is provided by U.S. 202 and U.S. 322.

Brandywine Airport is classified as an Intermediate airport by the Pennsylvania Bureau of Aviation. The airport has 115 based aircraft and experiences over 60,000 annual aircraft operations. The single runway, Runway 09/27, is 3,347 feet long by 50 feet wide and outfitted with low intensity runway lighting (LIRL). The airport is supported by three non-precision approaches (RNAV RWY 09, RNAV RWY 27, and VOR-A).

Brandywine Airport is a privately-owned, public use airport that supports the general aviation needs of the local community and surrounding region. Several on-site businesses tenants are located at the airport, including fixed-base operator New Brandywine Aero. The FBO offers many services to general aviation patrons, including fueling, a pilot shop, crew lounge, catering, and rental cars. Other on-site businesses offer a variety of services including maintenance, avionics sales and service, and flight instruction. According to the FAA, the following businesses utilized Brandywine Airport: Vanguard ID and QVC.

Other activities at the airport include recreational flights, activity by law enforcement agencies, aerial advertising, and utility pipeline inspections and surveying. Brandywine Airport is also used to support local hospitals and emergency medical services. PennSTAR supports emergency medical activity at the airport. In addition, the airport is home to the American Helicopter Museum & Education Center, which restores and displays historic aircraft in addition to chronicling the history of helicopters, offering educational courses and holding public events. The airport is utilized by pilots as a gateway for area attractions such as Brandywine Battlefield Historic Site, a battle site of the Revolutionary War; Longwood Gardens, one of the nation’s premier botanical gardens; and Valley Forge National Historical Park.

The airport is also home to the Brandywine Airport Pilot’s Association (BAPA), which promotes aviation through several social and educational events at Brandywine Airport. Events sponsored by BAPA include social gatherings, fly-outs, and trips to off-airport locations of interest to the general aviation community. BAPA also sponsors the FAA Wings Program’s safety seminars.