



## **Maryland Aviation Administration**

# **ECONOMIC IMPACT OF AIRPORTS**

## **Final Report 2013**

### **Prepared by**

**Landrum & Brown, Incorporated/Martin Associates**

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## **EXECUTIVE SUMMARY**

The Maryland Aviation Administration conducted a study funded partially under a grant by the Federal Aviation Administration to estimate the economic impacts of the Maryland airport system. The first phase analyzed the Baltimore/Washington International Thurgood Marshall Airport (BWI) and Martin State Airport (MTN). Phase II estimates the economic impacts of the entire statewide aviation system, which consists of 35 general aviation (including MTN) and scheduled commercial service airports as well as BWI. The purpose of the study is to quantify the economic impacts generated by passenger and air cargo activity at BWI and to quantify the economic impacts generated by the 35 general aviation and scheduled commercial service airports. The impacts are quantified in terms of:

- Jobs
- Employee earnings
- Business revenue
- State and local taxes
- Federal airport-specific taxes

The impacts are estimated for passenger and air cargo activity for calendar year 2011 for BWI and Martin State Airport and 2012 for the other 34 public use airports. In addition to the baseline impacts, an economic impact model has been developed for BWI as well as for the 35 general aviation/scheduled commercial service airports, which can be used to estimate the impacts associated with capital construction and expansion projects. Furthermore, since a baseline exists, the model can be used for future annual updates of the impacts as well as to test the sensitivity of impacts to changes in:

- Passenger levels
- Domestic versus international passengers
- Passenger trip purpose
- Peak hour flight levels and mix of aircraft
- Labor productivity and work rules
- Freight level
- General aviation operations

This analysis is an update to a study that was conducted in 2005 to measure the economic impacts generated by passenger and air cargo activity at BWI and the general aviation airports. The same methodology has been used to quantify the 2011/2012 impacts so that direct comparisons can be made between the current impacts and those generated by passenger and air cargo activity in the previous period.

**Table 1** shows the economic impact of the state-wide aviation activity in calendar year 2011/2012.

**MARYLAND AVIATION ADMINISTRATION**  
**ECONOMIC IMPACT OF AIRPORTS**

**Table 1**  
**ECONOMIC IMPACT OF THE MARYLAND STATEWIDE AVIATION INDUSTRY, 2011/2012**

| <b>CATEGORY</b>                       | <b>BWI<br/>Airport Generated</b> | <b>BWI<br/>Visitor Generated</b> | <b>General Aviation<br/>On-Site Generated</b> | <b>General Aviation<br/>Visitor Generated</b> | <b>Total<br/>Economic Impacts</b> |
|---------------------------------------|----------------------------------|----------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------|
| Jobs                                  |                                  |                                  |                                               |                                               |                                   |
| Direct Jobs                           | 11,962                           | 39,668                           | 3,282                                         | 1,316                                         | 56,228                            |
| Induced Jobs                          | 5,153                            | 11,160                           | 1,331                                         | 373                                           | 18,017                            |
| Indirect Jobs                         | 4,040                            | 21,808                           | 1,661                                         | 720                                           | 28,230                            |
| <b>Total Jobs</b>                     | <b>21,155</b>                    | <b>72,636</b>                    | <b>6,274</b>                                  | <b>2,409</b>                                  | <b>102,474</b>                    |
| Personal Income (1,000)               |                                  |                                  |                                               |                                               |                                   |
| Direct                                | \$587,165                        | \$785,294                        | \$146,389                                     | \$26,893                                      | \$1,545,741                       |
| Induced                               | \$523,517                        | \$677,709                        | \$133,734                                     | \$23,209                                      | \$1,358,168                       |
| Indirect                              | \$187,676                        | \$799,300                        | \$78,412                                      | \$33,793                                      | \$1,099,181                       |
| <b>Total</b>                          | <b>\$1,298,358</b>               | <b>\$2,262,303</b>               | <b>\$358,535</b>                              | <b>\$83,895</b>                               | <b>\$4,003,091</b>                |
| <b>Business Revenue (1,000)</b>       | <b>\$2,272,511</b>               | <b>\$3,297,909</b>               | <b>\$550,716</b>                              | <b>\$114,532</b>                              | <b>\$6,235,669</b>                |
| <b>Local Purchases (1,000)</b>        | <b>\$362,088</b>                 | <b>\$1,634,894</b>               | <b>\$168,173</b>                              | <b>\$54,000</b>                               | <b>\$2,219,156</b>                |
| <b>State and Local Taxes (1,000)</b>  | <b>\$129,836</b>                 | <b>\$396,665</b>                 | <b>\$35,854</b>                               | <b>\$8,389</b>                                | <b>\$570,744</b>                  |
| <b>Federal Aviation Taxes (1,000)</b> | <b>\$195,468</b>                 | <b>NA</b>                        | <b>NA</b>                                     | <b>NA</b>                                     | <b>\$195,468</b>                  |

In the year 2011/2012, it is estimated that aviation activity in the State of Maryland created approximately:

- 102,474 direct, induced, and indirect jobs
- \$4.0 billion of personal wages and salaries
- \$6.2 billion of business revenue
- \$0.5 billion of state and local taxes
- \$2.2 billion of local purchases for supplies and services

Activity at BWI created the majority of the economic impacts. In calendar year 2011, 21.9 million passengers used BWI, and 225.7 million pounds of air cargo moved via the Airport. This activity resulted in approximately:

- 21,155 direct, induced and indirect jobs were generated for residents of the Baltimore area. Of the 21,155 jobs, 11,962 were direct jobs, while 5,153 jobs were induced throughout the region to support the purchase of goods and services by the 11,962 directly dependent employees. An additional 4,040 indirect jobs were generated in the local economy due to \$362.1 million of local purchases by firms directly dependent on Airport activity.
- \$1.3 billion of direct, indirect and induced personal income and consumption expenditures were generated in the Baltimore area as a result of the Airport activity in 2011.
- \$2.3 billion of business sales were generated by Airport activity.
- The Federal Government received \$195.5 million in Airport-specific taxes from activity at BWI.
- State and local governments received \$129.8 million in tax revenues from airport activity.

In addition to these direct, induced, and indirect impacts, it is estimated that nearly 72,636 direct, induced, and indirect jobs were generated in the Baltimore area visitor industry due to expenditures by 5.35 million visitors to the region who arrived via BWI. The impacts of the visitors are estimated from the results of a one-week passenger survey conducted as part of this study. These visitors, who include both domestic as well as international travelers, spent about \$3.3 billion on area hotels, restaurants, retail stores, and entertainment establishments, which in turn generated the jobs in the Baltimore area visitor industry. As a result of visitors arriving via the Airport, \$396.7 million of state and local tax revenues were generated.

Activity at the 35 General Aviation/Scheduled Commercial Service airports in 2011/2012 also created (as illustrated in Table 1):

- 8,683 direct, induced and indirect jobs were generated for residents of the State of Maryland. Of the 8,683 jobs, 4,598 were direct jobs, while 1,704 jobs were induced throughout the region to support the purchase of goods and services by the 4,598 directly dependent employees. An additional 2,382 indirect jobs were generated in the local economy due to \$222.2 million of local purchases by firms directly dependent on GA/Scheduled Commercial Service airport activity.
- \$442.4 million of direct, indirect and induced personal income and consumption expenditures were generated in the State of Maryland area as a result of the GA/Scheduled Commercial Service airport activity in 2011/2012.
- \$665.2 million of business sales were generated by Airport activity.
- State and local governments received \$44.2 million in tax revenues from Airport activity.



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## **SECTION 1**

# **INTRODUCTION, OVERVIEW AND SUMMARY OF RESULTS**

The Maryland Aviation Administration (MAA) retained the services of Landrum & Brown and Martin Associates to measure the economic impact of airport activity generated by the 36 public-use landing facilities located throughout the State of Maryland. The economic impacts of the MAA-operated facilities Baltimore-Washington International Thurgood Marshall Airport (BWI) and Martin State Airport (MTN) were completed as part of a separate analysis in 2011. These results are presented in a separate report. This analysis focused on the remaining 34 airports in the Maryland Aviation System. The base year for the balance of general aviation and scheduled commercial service airports covered in this report is 2012. For the purposes of comparison to previous study periods, the MTN results have been included as well, such that impacts are presented for 35 of the State's airports in this report. The economic impacts created by the statewide aviation system are measured in terms of jobs, personal income, state and local taxes, and revenue generated directly by airport activity.

The State of Maryland's Aviation System consists of 36 public use airport facilities (including BWI and MTN). This report focuses on the 35 airports (including MTN) whose activity ranges from limited general aviation activity to scheduled air service at Salisbury-Ocean City: Wicomico Airport and Hagerstown Regional Airport. Furthermore, corporate general aviation tenants at Easton Airport, Carroll County Airport and Frederick Municipal Airport use these airports to serve local industries. Other users of these airports include private, recreational pilots with aircraft based at the individual airports as well as military and police operations.

The activity at these 35 airports generates jobs and personal income to those employed by the airport tenants as well as to local visitor industry firms, such as hotels and restaurants serving scheduled commercial service passengers using Hagerstown Regional and Salisbury-Ocean City airports. Business revenue is received by the firms providing the services to the commercial airlines as well as to the general aviation aircraft, military aircraft and to the flight schools. These firms providing the service and the individuals employed by these firms also pay state, local and federal taxes.

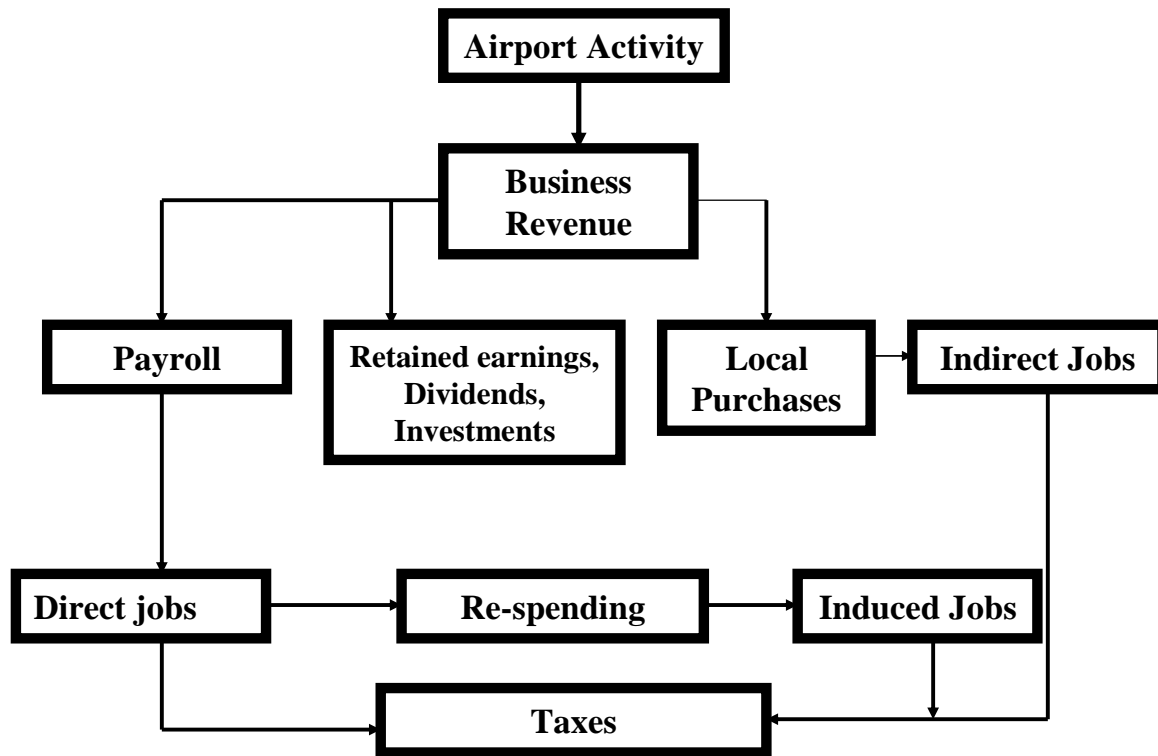
A total of 385 companies were contacted and interviews were conducted which represent a 99% level of coverage. Tenant sectors interviewed include, but were not limited to FBOs, flight schools, maintenance and avionics providers, charter and commercial air carriers, freight airlines, rental cars, corporate aviation departments and government agencies such as Maryland Air National Guard, Transportation Security Administration (TSA), city, county and state police departments. Also included in the interview process were aviation related firms located at the airfields such as pilots' organizations and aviation insurance providers. Interviews were conducted with airport managers and the tenants located at the other 34 general aviation and commercial service airports in calendar year 2012 (MTN was conducted in 2011). The balance of the methodology is consistent with the BWI & MTN impact analysis.

In order to measure the impacts in the most defensible manner possible, the methodology utilized is based on interviews, local economic data, and airport statistics. Operational models of the 35 GA/scheduled commercial service airports were developed to use in updating the impacts on a short term basis, and to measure the incremental changes in airport-generated impacts due to changes in such factors as changes in the number of flight operations or changes in aircraft mix (single-engine versus jet) and tenant mix. Also, the model can be used to test the economic impacts of various capital investment and airport expansion projects including runway extensions, terminal expansions and new hangar construction.

## **1. IMPACT STRUCTURE**

Activity at a general aviation and scheduled commercial service airport contributes to the local and state economy by generating business revenue to local, regional and national firms providing passenger service, freight service and support services to the airport and its tenants. The firms providing these services include FBO's, maintenance/avionics providers, airline/charter operators, corporate flight departments, flight schools, military operations and state/local law enforcement operations. These firms, in turn, provide employment and income to individuals who pay taxes to state and local governments. **Exhibit 1** shows how air traffic activity at these airports generates impacts throughout the local, state and national economy. As this exhibit indicates, the impact of an airport on a local, state or national economy cannot be reduced to a single number, but instead, airport activity creates several impacts. These are the revenue impact, employment impact, personal income impact, and tax impact. These impacts are not additive. For example, the income impact is a part of the revenue impact, and adding these impacts together would result in double counting.

**Exhibit 1**  
**FLOW OF ECONOMIC IMPACTS GENERATED BY GENERAL AVIATION**  
**AIRPORT ACTIVITY**



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**1.1 REVENUE IMPACT**

At the outset, activity at the airport generates business revenue for firms which provide air passenger service, freight service and ground support services for general and corporate aviation activity. This business revenue impact is dispersed throughout the economy in several ways. It is used to hire people to provide the services, to purchase goods and services, to pay for the use of airports and to make federal, state and local tax payments. The remainder is used to pay stockholders, retire debt, make investments, or is held as retained earnings. It is to be emphasized that the only portions of the revenue impact that can be definitely identified as remaining in the state are those portions paid out in salaries to direct employees, in state and local taxes, in local purchases, and in payments to the airport itself. Fuel flowage fees and terminal rents paid by tenants provide for some of the costs of operation of the airport and capital costs of new construction.

## **1.2 EMPLOYMENT IMPACT**

The employment impact of aviation activity consists of three levels of job impacts.

- Direct employment impact - jobs directly generated by airport activity, which would vanish if activity at the airports were to cease
- Induced employment impact - jobs created throughout the regional economy because individuals directly employed due to airport activity spend their wages locally on goods and services such as food and housing
- Indirect employment impact - jobs generated due to the purchase of goods and services by firms dependent upon airport activity

## **1.3 INCOME IMPACT**

The income impact is the measure of personal wages and salaries received by individuals directly employed due to airport activity. This direct personal income is re-spent throughout the region by those that are directly employed. This re-spending effect in turn generates additional jobs – the induced employment impact. This re-spending throughout the region is estimated using a regional personal income multiplier, which reflects the percentage of purchases that are made within a region. The re-spending effect varies by region: a larger re-spending effect occurs in regions that produce a relatively large proportion of the goods and services consumed by residents, while lower re-spending effects are associated with areas that import a relatively large share of consumer goods and services (since personal income "leaks out" of the region for these purchases).

## **1.4 TAX IMPACT**

State and local tax impacts are tax payments to the state and local governments by both firms and individuals involved in providing services in support of airport activity. State and local tax impacts include tax revenue from all types of state and local taxes.

The four types of impacts outlined above are estimated for 2012 activity at the 35 general aviation and scheduled commercial service airports in the State of Maryland.

## **2. ECONOMIC IMPACT SECTORS METHODOLOGY**

As described in the previous section, economic impacts presented in this report are quantified in terms of jobs, personal income, business revenue and state and local taxes. Furthermore, direct, induced and indirect impacts are estimated. The following describes the methodology used to estimate these impacts for 2012 activity at Maryland's 35 public use GA/scheduled commercial service airports.

## **2.1 DIRECT IMPACTS**

Direct impacts are those impacts that would cease to exist if activity at the airport ceased.

The direct impacts to be estimated include:

- Job impacts
- Personal income impacts
- Revenue impacts
- State and local tax impacts

### **2.1.1 Direct Employment Impacts**

The direct job impacts by each employer (FBO, corporate flight, airport service category, passenger ground transportation category, etc.) are estimated. These job impacts are estimated based on a direct count of the airport category employees obtained from the interview results of 354 companies.

### **2.1.2 Direct Income Impacts**

The direct income impacts are estimated by multiplying the average annual salaries (adjusted for typical overtime hours and salaries where applicable) for each of direct number of jobs. The direct income by category is obtained directly from the interviews.

A re-spending effect is then estimated using an income multiplier for the Baltimore/Washington Metropolitan Area, estimated by the Bureau of Economic Analysis. Based on data provided by the Bureau of Economic Analysis, for every one dollar earned by individuals in the Baltimore area, another \$.89 is spent in the region. Hence, the personal income multiplier for the Baltimore regional economy is 1.89.

### **2.1.3 Direct Revenue Impact**

The revenue impact by economic impact sector is estimated directly from the interviews with airport operators/managers and airport service providers.

## **2.2. INDUCED IMPACTS**

Much of the personal income that is directly generated by activity at the airports and received by individuals employed due to airport activity is spent and respent throughout the local, regional and national economies. As a result of the purchases of goods and services with this personal income, additional jobs in the local, regional, state and national economies will be generated. That fraction of the income impact used to purchase goods and services produced in Maryland is isolated and the resulting induced employment generated for residents.

To estimate this induced employment impact, the following steps were undertaken:

- The percentage of income spent by Baltimore/Washington (Maryland) area residents on various expenditure categories of the economy (i.e., manufacturing, housing, services, food, etc.) are estimated from the Consumer Expenditure Survey
- The ratio of employment to sales in each of the expenditure categories for both wholesale and retail purchases are calculated for the Baltimore-Washington Metropolitan Statistical Area, from data published by the U.S. Bureau of the Census
- The airport-induced consumption impacts are allocated to the various expenditure categories based on the Bureau of Labor Statistics breakdown for a typical consumer in the Baltimore/Washington (Maryland) Metropolitan Area
- The personal consumption impact allocated to each expenditure category is then multiplied by the ratio of employment to sales in that category to estimate the number of induced jobs for regional residents

**It should be emphasized that an input/output model is not used to estimate induced jobs.** Instead of using a regionalized input/output model, responding categories based on area specific data, and data specific to the region in which employees dependent upon each of the airports reside are developed.

## **2.3 INDIRECT IMPACTS**

Indirect impacts are generated by the local purchases of the firms directly dependent upon airport activity. These impacts are estimated based on local purchase patterns, as developed during the interview process. The local and in-state purchases by the firms providing direct services to the airport facilities are then combined with jobs-to-sales coefficients and income and output vectors derived from the Bureau of Economic Analysis, Regional Input-Output Modeling System (RIMS II), which was prepared for the State of Maryland.

## **2.4 TAX IMPACTS**

Per employee tax burdens as well as data from the Tax Foundation (will allows the development of taxes as a percent of per capita income) are used to estimate the tax impacts resulting from activity at the public use GA/scheduled commercial service airports. These state and local tax burdens include tax revenues from all sources. The tax impacts are estimated for direct, induced and indirect impacts.

## **3. DATA COLLECTION**

Impacts were estimated on the basis of interviews with firms in the five economic impact categories described above. A total of 385 firms were contacted, representing a nearly 99% coverage of tenants and firms providing services at the 35 public use facilities.

In addition to the 385 surveys, operational and financial data was requested and obtained from the airport operators/managers and was used in this analysis. This data includes:

- Number of employees (full time and part time) and average salary (or total payroll less benefits)
- Number of aircraft operations
- Detailed list of airport revenues (e.g. landing fees, rent, user fees, concessions) and expenditures (e.g. office supplies, M/R, fuel, communications, insurance, contracted services)
- Capital expenditures for 2012
- In addition, data from Federal Aviation Administration (FAA) ATADS reports and 5010 reports were used supplement aircraft operations and based aircraft figures supplied by individual airport managers

#### **4. SUMMARY OF FINDINGS**

The key economic impacts generated by the 35 public use landing facilities are presented in **Table 1**.

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**Table 1**  
**ECONOMIC IMPACTS OF GENERAL AVIATION AND COMMERCIAL SERVICE**  
**ACTIVITY IN THE STATE OF MARYLAND, 2012**

| Impact Summary                         | On-site          | Visitor          | Total            |
|----------------------------------------|------------------|------------------|------------------|
| Jobs                                   |                  |                  |                  |
| Direct Jobs                            | 3,282            | 1,316            | 4,598            |
| Induced Jobs                           | 1,331            | 373              | 1,704            |
| Indirect Jobs                          | 1,661            | 720              | 2,382            |
| <b>Total Jobs</b>                      | <b>6,274</b>     | <b>2,409</b>     | <b>8,683</b>     |
|                                        |                  |                  |                  |
| Personal Income (\$1,000)              |                  |                  |                  |
| Direct                                 | \$146,389        | \$26,893         | \$173,282        |
| Induced                                | \$133,734        | \$23,209         | \$156,943        |
| Indirect                               | \$78,412         | \$33,793         | \$112,205        |
| <b>Total</b>                           | <b>\$358,535</b> | <b>\$83,895</b>  | <b>\$442,430</b> |
|                                        |                  |                  |                  |
| <b>Business Revenue (\$1,000)</b>      | <b>\$550,716</b> | <b>\$114,532</b> | <b>\$665,249</b> |
|                                        |                  |                  |                  |
| <b>Local Purchases (\$1,000)</b>       | <b>\$168,173</b> | <b>\$54,000</b>  | <b>\$222,174</b> |
|                                        |                  |                  |                  |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$35,854</b>  | <b>\$8,389</b>   | <b>\$44,243</b>  |

Totals may not add due to rounding

In 2012, the 35 public use general aviation and scheduled commercial service airports in the State of Maryland created the following impacts:

- 8,683 total jobs, of which:
  - ◆ 4,598 were directly created by airport and visitor activity at these airports
  - ◆ 1,704 jobs were supported in local economic sectors due to the purchases for goods and services by those 4,598 directly employed workers
  - ◆ 2,382 indirect jobs were supported by \$222.2 million of local purchases by airport tenants.
- \$442.4 million dollars of personal wage and salary income was created in the State of Maryland by the activity at these airports. This income consists of:
  - ◆ \$173.3 of direct wages and salaries earned by the 4,589 direct job holders
  - ◆ \$156.9 induced income and local consumption expenditures
  - ◆ \$112.2 million of indirect income which was earned by the 2,382 indirect job holders
- \$665.3 million of business revenue created from airport tenants and services performed for of the general aviation and scheduled commercial service aircraft using the 35 airports
- \$44.2 million of state and local taxes were generated

**Table 2** summarizes the total impacts by airport.



**MARYLAND AVIATION ADMINISTRATION  
ECONOMIC IMPACT OF AIRPORTS**

**Table 2  
SUMMARY OF IMPACTS GENERATED BY MARYLAND'S PUBLIC USE AIRPORTS, 2012**

| Total Impacts<br>Airport                     | Jobs         |              |              |              | Personal Income (\$1,000) |                  |                  |                  | Revenue<br>(\$1,000) | Local Purchases<br>(\$1,000) | S/L Taxes<br>(\$1,000) |
|----------------------------------------------|--------------|--------------|--------------|--------------|---------------------------|------------------|------------------|------------------|----------------------|------------------------------|------------------------|
|                                              | Direct       | Induced      | Indirect     | Total        | Direct                    | Induced          | Indirect         | Total            |                      |                              |                        |
| Bay Bridge Airport                           | 95           | 29           | 52           | 176          | \$2,399                   | \$2,100          | \$2,480          | \$6,979          | \$9,015              | \$4,137                      | \$698                  |
| Bennett Airport                              | 3            | 1            | 1            | 5            | \$122                     | \$108            | \$53             | \$283            | \$360                | \$78                         | \$28                   |
| Cambridge-Dorchester Airport                 | 90           | 27           | 43           | 160          | \$2,054                   | \$1,791          | \$2,090          | \$5,935          | \$9,818              | \$3,512                      | \$593                  |
| Carroll County Regional Airport              | 114          | 42           | 80           | 237          | \$4,289                   | \$3,801          | \$4,009          | \$12,100         | \$14,752             | \$7,365                      | \$1,210                |
| Cecil County Airport                         | 16           | 6            | 6            | 27           | \$539                     | \$477            | \$287            | \$1,303          | \$945                | \$478                        | \$130                  |
| Clearview Airport                            | 4            | 1            | 1            | 7            | \$141                     | \$124            | \$64             | \$329            | \$327                | \$152                        | \$33                   |
| College Park Airport                         | 28           | 10           | 6            | 45           | \$1,004                   | \$893            | \$310            | \$2,207          | \$1,197              | \$627                        | \$221                  |
| Crisfield-Somerset Airport                   | 5            | 2            | 2            | 8            | \$155                     | \$135            | \$94             | \$384            | \$351                | \$181                        | \$38                   |
| Davis Airport                                | 3            | 1            | 2            | 6            | \$116                     | \$103            | \$111            | \$330            | \$200                | \$180                        | \$33                   |
| Easton Airport                               | 211          | 70           | 132          | 413          | \$6,277                   | \$5,546          | \$6,531          | \$18,355         | \$22,507             | \$12,232                     | \$1,836                |
| Essex Skypark                                | 2            | 1            | 1            | 4            | \$140                     | \$125            | \$32             | \$297            | \$128                | \$71                         | \$30                   |
| Fallston Airport                             | 3            | 1            | 1            | 5            | \$127                     | \$113            | \$41             | \$281            | \$143                | \$90                         | \$28                   |
| Frederick Municipal Airport                  | 566          | 237          | 483          | 1,286        | \$26,450                  | \$23,515         | \$23,325         | \$73,291         | \$110,822            | \$50,501                     | \$7,329                |
| Freeway Airport                              | 30           | 10           | 10           | 50           | \$935                     | \$831            | \$543            | \$2,309          | \$1,923              | \$915                        | \$231                  |
| Garrett County Airport                       | 24           | 7            | 11           | 42           | \$564                     | \$490            | \$536            | \$1,590          | \$1,960              | \$878                        | \$159                  |
| Greater Cumberland Regional Airport          | 27           | 12           | 11           | 51           | \$1,422                   | \$1,263          | \$481            | \$3,166          | \$1,740              | \$1,375                      | \$317                  |
| Hagerstown Regional Airport                  | 790          | 312          | 237          | 1,338        | \$33,230                  | \$29,561         | \$11,644         | \$74,435         | \$109,643            | \$22,711                     | \$7,444                |
| Harford County Airport                       | 31           | 12           | 11           | 54           | \$1,208                   | \$1,068          | \$486            | \$2,762          | \$2,224              | \$1,024                      | \$276                  |
| Havre de Grace Seaplane Base                 |              |              |              | 1            | \$18                      | \$16             | \$1              | \$34             | \$66                 | \$1                          | \$3                    |
| Kentmorr Airpark                             |              |              |              | 1            | \$18                      | \$16             | \$2              | \$35             | \$66                 | \$10                         | \$3                    |
| Lee Airport                                  | 25           | 8            | 8            | 41           | \$736                     | \$652            | \$413            | \$1,800          | \$3,149              | \$890                        | \$180                  |
| Martin State Airport                         | 1,078        | 401          | 492          | 1,971        | \$45,775                  | \$40,711         | \$21,418         | \$107,904        | \$224,485            | \$52,415                     | \$10,790               |
| Maryland Airport                             | 125          | 70           | 25           | 220          | \$6,149                   | \$8,377          | \$1,302          | \$15,828         | \$9,276              | \$2,407                      | \$1,583                |
| Massey Aerodrome                             |              |              |              | 3            | \$70                      | \$62             | \$1              | \$133            | \$265                | \$1                          | \$13                   |
| Mexico Farms Airport                         |              |              |              | 2            | \$53                      | \$47             | \$7              | \$106            | \$199                | \$17                         | \$11                   |
| Montgomery County Airpark                    | 115          | 37           | 57           | 210          | \$3,107                   | \$2,731          | \$2,822          | \$8,660          | \$12,025             | \$4,670                      | \$866                  |
| Ocean City Municipal Airport                 | 193          | 59           | 92           | 344          | \$4,814                   | \$4,213          | \$4,409          | \$13,436         | \$18,386             | \$7,347                      | \$1,344                |
| Pier 7 Heliport                              | 21           | 8            | 9            | 39           | \$707                     | \$808            | \$426            | \$1,941          | \$2,163              | \$742                        | \$194                  |
| Potomac Airfield                             | 33           | 12           | 19           | 63           | \$1,221                   | \$1,082          | \$908            | \$3,211          | \$4,902              | \$1,719                      | \$321                  |
| Ridgely Airpark                              | 10           | 3            | 2            | 15           | \$250                     | \$223            | \$240            | \$713            | \$639                | \$495                        | \$71                   |
| Salisbury-Ocean City Wicomico Regional Airpo | 638          | 220          | 369          | 1,227        | \$20,541                  | \$18,192         | \$16,574         | \$55,307         | \$64,285             | \$26,480                     | \$5,531                |
| St. Mary's County Regional Airport           | 149          | 45           | 71           | 265          | \$3,533                   | \$3,112          | \$3,298          | \$9,942          | \$14,544             | \$6,102                      | \$994                  |
| Suburban Airpark                             |              |              |              | 2            | \$30                      | \$27             | \$17             | \$74             | \$132                | \$33                         | \$7                    |
| Tipton Airport                               | 156          | 56           | 133          | 345          | \$5,552                   | \$4,890          | \$6,666          | \$17,108         | \$20,821             | \$11,298                     | \$1,711                |
| Washington Executive Airport/Hyde Field      | 9            | 4            | 8            | 21           | \$345                     | \$435            | \$398            | \$1,177          | \$1,772              | \$742                        | \$118                  |
| <b>TOTAL</b>                                 | <b>4,598</b> | <b>1,704</b> | <b>2,382</b> | <b>8,683</b> | <b>\$173,282</b>          | <b>\$156,943</b> | <b>\$112,205</b> | <b>\$442,430</b> | <b>\$665,249</b>     | <b>\$222,174</b>             | <b>\$44,243</b>        |

## **SECTION 2**

# **ON-SITE IMPACTS CREATED BY PUBLIC USE GA AIRPORT ACTIVITY**

This section presents the impacts generated by the on-site activity of airport tenants and flight operations at the public use GA facilities in 2012. This is a subset of total impacts that is determined by the operations of the tenants and aviation-related services performed for users both local GA and itinerant GA operations. **Table 3** summarizes the on-site impacts by airport.

In 2012, the public use general aviation and scheduled commercial service airports in the State of Maryland created the following on-site impacts:

- 6,274 total jobs, of which:
  - ◆ 3,282 were directly created by tenant and airport activity at these airports
  - ◆ 1,331 jobs were supported in local economic sectors due to the purchases for goods and services by those 3,282 directly employed workers
  - ◆ 1,661 indirect jobs were supported by \$168.2 million of local purchases by airport tenants
- \$358.5 million dollars of personal wage and salary income was created in the State of Maryland by the on-site activity at these airports. This income consists of:
  - ◆ \$146.4 of direct wages and salaries earned by the 3,282 direct job holders
  - ◆ \$133.7 induced income and local consumption expenditures
  - ◆ \$78.4 million of indirect income which was earned by the 1,661 indirect job holders
- \$550.7 million of business revenue created from airport tenants and services performed for of the general aviation and scheduled commercial service aircraft using the 35 airports
- \$35.9 million of state and local taxes were generated

**MARYLAND AVIATION ADMINISTRATION  
ECONOMIC IMPACT OF AIRPORTS**

**Table 3  
ON-SITE IMPACTS OF GENERAL AVIATION AND SCHEDULED COMMERCIAL SERVICE ACTIVITY IN THE  
STATE OF MARYLAND, 2012**

| On-site Impacts<br>Airport                   | Jobs         |              |              |              | Personal Income (\$1,000) |                  |                 |                  | Revenue<br>(\$1,000) | Local Purchases<br>(\$1,000) | Taxes<br>(\$1,000) |
|----------------------------------------------|--------------|--------------|--------------|--------------|---------------------------|------------------|-----------------|------------------|----------------------|------------------------------|--------------------|
|                                              | Direct       | Induced      | Indirect     | Total        | Direct                    | Induced          | Indirect        | Total            |                      |                              |                    |
| Bay Bridge Airport                           | 29           | 11           | 16           | 56           | \$1,034                   | \$922            | \$812           | \$2,769          | \$3,337              | \$1,472                      | \$277              |
| Bennett Airport                              | 3            | 1            | 1            | 5            | \$122                     | \$108            | \$53            | \$283            | \$360                | \$78                         | \$28               |
| Cambridge-Dorchester Airport                 | 23           | 8            | 7            | 38           | \$656                     | \$585            | \$380           | \$1,621          | \$4,000              | \$780                        | \$162              |
| Carroll County Regional Airport              | 77           | 32           | 60           | 168          | \$3,492                   | \$3,113          | \$3,055         | \$9,661          | \$11,494             | \$5,840                      | \$966              |
| Cecil County Airport                         | 12           | 4            | 4            | 19           | \$419                     | \$374            | \$186           | \$978            | \$576                | \$316                        | \$98               |
| Clearview Airport                            | 3            | 1            | 1            | 4            | \$73                      | \$65             | \$27            | \$165            | \$177                | \$94                         | \$16               |
| College Park Airport                         | 25           | 9            | 5            | 38           | \$899                     | \$802            | \$228           | \$1,929          | \$891                | \$495                        | \$193              |
| Crisfield-Somerset Airport                   | 2            | 1            | 1            | 3            | \$70                      | \$62             | \$37            | \$170            | \$132                | \$90                         | \$17               |
| Davis Airport                                | 3            | 1            | 2            | 6            | \$116                     | \$103            | \$111           | \$330            | \$200                | \$180                        | \$33               |
| Easton Airport                               | 126          | 46           | 86           | 258          | \$4,514                   | \$4,025          | \$4,362         | \$12,901         | \$15,131             | \$8,765                      | \$1,290            |
| Essex Skypark                                | 2            | 1            | 1            | 4            | \$140                     | \$125            | \$32            | \$297            | \$128                | \$71                         | \$30               |
| Fallston Airport                             | 3            | 1            | 1            | 5            | \$127                     | \$113            | \$41            | \$281            | \$143                | \$90                         | \$28               |
| Frederick Municipal Airport                  | 452          | 204          | 421          | 1,077        | \$24,092                  | \$21,480         | \$20,407        | \$65,978         | \$100,907            | \$45,837                     | \$6,598            |
| Freeway Airport                              | 27           | 9            | 9            | 45           | \$844                     | \$752            | \$477           | \$2,073          | \$1,675              | \$810                        | \$207              |
| Garrett County Airport                       | 5            | 2            | 1            | 7            | \$140                     | \$125            | \$53            | \$318            | \$296                | \$105                        | \$32               |
| Greater Cumberland Regional Airport          | 20           | 10           | 7            | 38           | \$1,245                   | \$1,110          | \$308           | \$2,663          | \$1,128              | \$1,099                      | \$266              |
| Hagerstown Regional Airport                  | 675          | 279          | 175          | 1,129        | \$30,867                  | \$27,521         | \$8,719         | \$67,106         | \$99,706             | \$18,036                     | \$6,711            |
| Harford County Airport                       | 19           | 8            | 4            | 31           | \$921                     | \$821            | \$175           | \$1,916          | \$1,143              | \$526                        | \$192              |
| Havre de Grace Seaplane Base                 |              |              |              | 1            | \$18                      | \$16             | \$1             | \$34             | \$66                 | \$1                          | \$3                |
| Kentmorr Airpark                             |              |              |              | 1            | \$18                      | \$16             | \$2             | \$35             | \$66                 | \$10                         | \$3                |
| Lee Airport                                  | 19           | 6            | 5            | 31           | \$587                     | \$523            | \$276           | \$1,386          | \$2,660              | \$671                        | \$139              |
| Martin State Airport                         | 904          | 352          | 397          | 1,653        | \$42,197                  | \$37,623         | \$16,966        | \$96,786         | \$209,374            | \$45,301                     | \$9,679            |
| Maryland Airport                             | 122          | 69           | 24           | 215          | \$6,056                   | \$8,297          | \$1,236         | \$15,589         | \$9,026              | \$2,302                      | \$1,559            |
| Massey Aerodrome                             |              |              |              | 3            | \$70                      | \$62             | \$1             | \$133            | \$265                | \$1                          | \$13               |
| Mexico Farms Airport                         |              |              |              | 2            | \$53                      | \$47             | \$7             | \$106            | \$199                | \$17                         | \$11               |
| Montgomery County Airpark                    | 49           | 18           | 21           | 88           | \$1,715                   | \$1,529          | \$1,119         | \$4,364          | \$6,230              | \$1,949                      | \$436              |
| Ocean City Municipal Airport                 | 60           | 21           | 19           | 100          | \$2,061                   | \$1,838          | \$996           | \$4,895          | \$6,796              | \$1,894                      | \$490              |
| Pier 7 Heliport                              | 8            | 4            | 2            | 14           | \$391                     | \$536            | \$80            | \$1,007          | \$964                | \$189                        | \$101              |
| Potomac Airfield                             | 24           | 10           | 14           | 48           | \$1,014                   | \$904            | \$699           | \$2,617          | \$4,168              | \$1,385                      | \$262              |
| Ridgely Airpark                              | 10           | 3            | 2            | 15           | \$250                     | \$223            | \$240           | \$713            | \$639                | \$495                        | \$71               |
| Salisbury-Ocean City Wicomico Regional Airpo | 429          | 161          | 255          | 844          | \$16,242                  | \$14,481         | \$11,215        | \$41,939         | \$46,100             | \$17,916                     | \$4,194            |
| St. Mary's County Regional Airport           | 86           | 27           | 36           | 149          | \$2,198                   | \$1,960          | \$1,669         | \$5,826          | \$8,999              | \$3,499                      | \$583              |
| Suburban Airpark                             |              |              |              | 2            | \$30                      | \$27             | \$17            | \$74             | \$132                | \$33                         | \$7                |
| Tipton Airport                               | 55           | 27           | 78           | 160          | \$3,452                   | \$3,077          | \$4,074         | \$10,603         | \$12,011             | \$7,156                      | \$1,060            |
| Washington Executive Airport/Hyde Field      | 7            | 3            | 7            | 17           | \$269                     | \$369            | \$353           | \$991            | \$1,594              | \$670                        | \$99               |
| <b>TOTAL</b>                                 | <b>3,282</b> | <b>1,331</b> | <b>1,661</b> | <b>6,274</b> | <b>\$146,389</b>          | <b>\$133,734</b> | <b>\$78,412</b> | <b>\$358,535</b> | <b>\$550,716</b>     | <b>\$168,173</b>             | <b>\$35,854</b>    |

## **SECTION 3**

# **VISITOR INDUSTRY IMPACTS CREATED BY PUBLIC USE GA PASSENGER ACTIVITY**

The impact of visitors using the public use GA airports on the local and regional economy is measured in terms of jobs, income, revenue, and taxes generated by expenditures for hotels, retail, entertainment activities, and transportation service firms.

Visitors purchase hotel rooms, pay for meals and entertainment, and make retail purchases while in Maryland. These purchases of goods and services stimulate the local economy, in turn generating jobs with hotels, restaurants, retail outlets, and local entertainment establishments. Those individuals employed in Maryland's visitor industry due to visitors' purchases receive income. This income is re-spent in the local economy generating induced jobs in the regional economy.

To estimate the economic impact of visitors arriving via the 35 public use facilities, data was gathered from a number of sources including:

- Interviews with FBOs located at each of the airports
- Data supplied by the airport operators/managers
- FAA Form 5010 reports
- FAA ATADS reports (for towered airports)
- Supplemental data from results of a 900-passenger in-terminal intercept survey of enplaning passengers at BWI (June 7<sup>th</sup>, 2011) that was used to develop passenger characteristics of visiting passengers

Visiting passengers at each public use airport were estimated by first identifying the estimated number of transient/itinerant aircraft operations based on FAA Form 5010 reports. FAA ATADS reports were used for towered airports including Easton, Frederick, Hagerstown, Martin State and Salisbury. The percentage of itinerants carrying visiting passengers (both corporate and pleasure travelers) was then estimated by interviews with individual airport managers and FBOs operating at each airport. The interviews with FBOs were also used to estimate the number of visitors per aircraft (average of 3) and length of stay (average of 2.2 days) while in Maryland. These estimate of transient/itinerant flights and passengers was applied the average expenditure of a visiting passenger derived from the BWI passenger survey to identify the amount spent in Maryland.

In 2012, it is estimated that approximately 350,000 passengers used the 35 public use GA airports in Maryland. It is the travel and spending characteristics of these 350,000 visitors that will contribute to the local and state economy through lodging, retail purchases, eating in restaurants, and local transportation services.

A summary of visitor impacts are presented in the following **Table 4**.

**MARYLAND AVIATION ADMINISTRATION  
ECONOMIC IMPACT OF AIRPORTS**

**Table 4  
VISITOR IMPACTS OF GENERAL AVIATION AND COMMERCIAL SERVICE ACTIVITY IN THE STATE OF  
MARYLAND, 2012**

| Visitor Impacts<br>Airport                   | Jobs         |            |            |              | Personal Income (\$1,000) |                 |                 |                 | Revenue<br>(\$1,000) | Local Purchases<br>(\$1,000) | Taxes<br>(\$1,000) |
|----------------------------------------------|--------------|------------|------------|--------------|---------------------------|-----------------|-----------------|-----------------|----------------------|------------------------------|--------------------|
|                                              | Direct       | Induced    | Indirect   | Total        | Direct                    | Induced         | Indirect        | Total           |                      |                              |                    |
| Bay Bridge Airport                           | 65           | 19         | 36         | 119          | \$1,365                   | \$1,178         | \$1,668         | \$4,211         | \$5,678              | \$2,666                      | \$421              |
| Bennett Airport                              | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Cambridge-Dorchester Airport                 | 67           | 19         | 36         | 122          | \$1,398                   | \$1,206         | \$1,709         | \$4,313         | \$5,818              | \$2,732                      | \$431              |
| Carroll County Regional Airport              | 37           | 11         | 20         | 69           | \$797                     | \$688           | \$954           | \$2,439         | \$3,258              | \$1,524                      | \$244              |
| Cecil County Airport                         | 4            | 1          | 2          | 8            | \$120                     | \$103           | \$101           | \$325           | \$369                | \$162                        | \$32               |
| Clearview Airport                            | 2            | 1          | 1          | 3            | \$68                      | \$59            | \$37            | \$164           | \$150                | \$59                         | \$16               |
| College Park Airport                         | 4            | 1          | 2          | 6            | \$105                     | \$91            | \$83            | \$278           | \$306                | \$132                        | \$28               |
| Crisfield-Somerset Airport                   | 3            | 1          | 1          | 5            | \$85                      | \$73            | \$57            | \$215           | \$219                | \$91                         | \$21               |
| Davis Airport                                | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Easton Airport                               | 85           | 24         | 46         | 155          | \$1,763                   | \$1,522         | \$2,169         | \$5,454         | \$7,376              | \$3,466                      | \$545              |
| Essex Skypark                                | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Fallston Airport                             | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Frederick Municipal Airport                  | 114          | 32         | 62         | 209          | \$2,358                   | \$2,035         | \$2,919         | \$7,312         | \$9,915              | \$4,664                      | \$731              |
| Freeway Airport                              | 3            | 1          | 1          | 5            | \$92                      | \$79            | \$66            | \$236           | \$248                | \$105                        | \$24               |
| Garrett County Airport                       | 19           | 6          | 10         | 35           | \$424                     | \$366           | \$484           | \$1,273         | \$1,664              | \$773                        | \$127              |
| Greater Cumberland Regional Airport          | 7            | 2          | 4          | 13           | \$177                     | \$153           | \$173           | \$502           | \$612                | \$277                        | \$50               |
| Hagerstown Regional Airport                  | 114          | 33         | 62         | 209          | \$2,364                   | \$2,040         | \$2,925         | \$7,329         | \$9,937              | \$4,674                      | \$733              |
| Harford County Airport                       | 12           | 4          | 7          | 23           | \$287                     | \$247           | \$311           | \$846           | \$1,081              | \$498                        | \$85               |
| Havre de Grace Seaplane Base                 | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Kentmorr Airpark                             | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Lee Airport                                  | 6            | 2          | 3          | 10           | \$149                     | \$129           | \$137           | \$414           | \$489                | \$218                        | \$41               |
| Martin State Airport                         | 174          | 49         | 95         | 318          | \$3,578                   | \$3,088         | \$4,452         | \$11,118        | \$15,111             | \$7,114                      | \$1,112            |
| Maryland Airport                             | 3            | 1          | 1          | 5            | \$93                      | \$80            | \$66            | \$239           | \$250                | \$105                        | \$24               |
| Massey Aerodrome                             | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Mexico Farms Airport                         | NA           | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Montgomery County Airpark                    | 67           | 19         | 36         | 122          | \$1,392                   | \$1,202         | \$1,703         | \$4,297         | \$5,795              | \$2,721                      | \$430              |
| Ocean City Municipal Airport                 | 133          | 38         | 73         | 244          | \$2,752                   | \$2,375         | \$3,413         | \$8,541         | \$11,590             | \$5,454                      | \$854              |
| Pier 7 Heliport                              | 14           | 4          | 7          | 25           | \$316                     | \$272           | \$346           | \$934           | \$1,199              | \$553                        | \$93               |
| Potomac Airfield                             | 8            | 3          | 4          | 15           | \$206                     | \$178           | \$209           | \$593           | \$734                | \$334                        | \$59               |
| Ridgely Airpark                              | 0            | 0          | 0          | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Salisbury-Ocean City Wicomico Regional Airpo | 209          | 59         | 114        | 383          | \$4,299                   | \$3,710         | \$5,359         | \$13,368        | \$18,185             | \$8,564                      | \$1,337            |
| St. Mary's County Regional Airport           | 64           | 18         | 35         | 117          | \$1,335                   | \$1,152         | \$1,629         | \$4,116         | \$5,546              | \$2,603                      | \$412              |
| Suburban Airpark                             | NA           |            |            | 0            | \$0                       | \$0             | \$0             | \$0             | \$0                  | \$0                          | \$0                |
| Tipton Airport                               | 101          | 29         | 55         | 185          | \$2,100                   | \$1,813         | \$2,592         | \$6,505         | \$8,810              | \$4,142                      | \$651              |
| Washington Executive Airport/Hyde Field      | 2            | 1          | 1          | 4            | \$76                      | \$66            | \$45            | \$187           | \$178                | \$72                         | \$19               |
| <b>TOTAL</b>                                 | <b>1,316</b> | <b>373</b> | <b>720</b> | <b>2,409</b> | <b>\$26,893</b>           | <b>\$23,208</b> | <b>\$33,793</b> | <b>\$83,895</b> | <b>\$114,533</b>     | <b>\$54,000</b>              | <b>\$8,389</b>     |

In 2012, the business and pleasure visitor activity at public use general aviation and scheduled commercial airports in the State of Maryland created the following on-site impacts:

- 2,409 total jobs, of which:
  - ◆ 1,316 were directly created by visitor activity at these airports
  - ◆ 373 jobs were supported in local economic sectors due to the purchases for goods and services by those 1,316 directly employed workers
  - ◆ 720 indirect jobs were supported by \$54 million of local purchases by firms in the tourism and hospitality industry
- \$83.9 million dollars of personal wage and salary income was created in the State of Maryland by the visitor activity at these 35 airports. This income consists of:
  - ◆ \$26.9 of direct wages and salaries earned by the 1,316 direct job holders
  - ◆ \$23.2 induced income and local consumption expenditures
  - ◆ \$33.8 million of indirect income which was earned by the 720 indirect job holders
- \$114.5 million of business revenue created from services performed for of the general aviation and commercial service aircraft
- \$8.4 million of state and local taxes were generated

## SECTION 4 COMPARISON WITH 2006 ON-SITE IMPACTS CREATED BY PUBLIC USE GA AIRPORTS

The on-site impacts presented in this study followed the same methodology used in the previous 2006 study, and as a result, direct comparisons can be made between the two. Between 2006 and 2012, total annual operations and based aircraft operations fell by 31.3% and 12.1% respectively (See **Table 5**).

**Table 5  
COMPARISON OF ANNUAL AIRCRAFT OPERATIONS AND BASED AIRCRAFT  
2006-2012**

| Airport                                        | 2006<br>Estimated<br>Operations | 2012<br>Estimated<br>Operations | Operations<br>Difference | 2006<br>Based<br>Aircraft | 2012<br>Based<br>Aircraft | Based<br>Difference |
|------------------------------------------------|---------------------------------|---------------------------------|--------------------------|---------------------------|---------------------------|---------------------|
| Bay Bridge Airport                             | 38,100                          | 67,100                          | 29,000                   | 69                        | 76                        | 7                   |
| Bennett Airport                                | 1,976                           | 2,137                           | 161                      | 10                        | 6                         | (4)                 |
| Cambridge-Dorchester Airport                   | 25,698                          | 28,760                          | 3,062                    | 42                        | 37                        | (5)                 |
| Carroll County Regional Airport                | 153,690                         | 36,090                          | (117,600)                | 131                       | 93                        | (38)                |
| Cecil County Airport                           | 13,662                          | 15,193                          | 1,531                    | 47                        | 57                        | 10                  |
| Clearview Airport                              | 15,300                          | 15,300                          | 0                        | 32                        | 27                        | (5)                 |
| College Park Airport                           | 2,775                           | 3,650                           | 875                      | 46                        | 43                        | (3)                 |
| Crisfield-Somerset Airport                     | 3,040                           | 2,180                           | (860)                    | 6                         | 9                         | 3                   |
| Davis Airport                                  | 5,096                           | 5,100                           | 4                        | 33                        | 19                        | (14)                |
| Easton Airport                                 | 160,000                         | 49,689                          | (110,311)                | 160                       | 137                       | (23)                |
| Essex Skypark                                  | 8,584                           | 8,584                           | 0                        | 36                        | 43                        | 7                   |
| Fallston Airport                               | 8,189                           | 5,104                           | (3,085)                  | 31                        | 23                        | (8)                 |
| Frederick Municipal Airport                    | 156,000                         | 119,179                         | (36,821)                 | 299                       | 228                       | (71)                |
| Freeway Airport                                | 49,165                          | 24,115                          | (25,050)                 | 56                        | 76                        | 20                  |
| Garrett County Airport                         | 17,800                          | 14,600                          | (3,200)                  | 11                        | 22                        | 11                  |
| Greater Cumberland Regional Airport            | 14,235                          | 14,300                          | 65                       | 69                        | 60                        | (9)                 |
| Hagerstown Regional Airport                    | 52,766                          | 51,350                          | (1,416)                  | 197                       | 160                       | (37)                |
| Harford County Airport                         | 35,529                          | 17,840                          | (17,689)                 | 61                        | 52                        | (9)                 |
| Havre de Grace Seaplane Base                   | 240                             | 30                              | (210)                    | 3                         | 0                         | (3)                 |
| Kentmorr Airpark                               | 500                             | 950                             | 450                      | 15                        | 11                        | (4)                 |
| Lee Airport                                    | 31,638                          | 15,526                          | (16,112)                 | 102                       | 84                        | (18)                |
| Martin State Airport                           | 104,390                         | 74,548                          | (29,842)                 | 295                       | 221                       | (74)                |
| Maryland Airport                               | 17,000                          | 17,020                          | 20                       | 70                        | 62                        | (8)                 |
| Massey Aerodrome                               | 3,588                           | 5,150                           | 1,562                    | 15                        | 22                        | 7                   |
| Mexico Farms Airport                           | 1,261                           | 1,261                           | 0                        | 12                        | 14                        | 2                   |
| Montgomery County Airpark                      | 95,000                          | 51,097                          | (43,903)                 | 186                       | 160                       | (26)                |
| Ocean City Municipal Airport                   | 37,000                          | 37,000                          | 0                        | 46                        | 43                        | (3)                 |
| Pier 7 Heliport                                | na                              | 3,700                           | 3,700                    | na                        | 3                         | 3                   |
| Potomac Airfield                               | 11,750                          | 11,999                          | 249                      | 91                        | 87                        | (4)                 |
| Ridgely Airpark                                | 36,870                          | 24,205                          | (12,665)                 | 34                        | 37                        | 3                   |
| Salisbury-Ocean City Wicomico Regional Airport | 53,380                          | 47,675                          | (5,705)                  | 152                       | 123                       | (29)                |
| St. Mary's County Regional Airport             | 52,618                          | 38,002                          | (14,616)                 | 100                       | 146                       | 46                  |
| Suburban Airpark                               | 1,750                           | 2,600                           | 850                      | 40                        | 20                        | (20)                |
| Tipton Airport                                 | 48,000                          | 49,225                          | 1,225                    | 121                       | 105                       | (16)                |
| Washington Executive Airport/Hyde Field        | 4,212                           | 5,605                           | 1,393                    | 54                        | 46                        | (8)                 |
|                                                |                                 |                                 | 0                        |                           |                           | 0                   |
| <b>TOTALS</b>                                  | <b>1,260,802</b>                | <b>865,864</b>                  | <b>(394,938)</b>         | <b>2,672</b>              | <b>2,352</b>              | <b>(320)</b>        |
|                                                |                                 |                                 | <b>-31.3%</b>            |                           |                           | <b>-12.0%</b>       |

Despite the decline in operations and based aircraft at the 35 public use GA airports in Maryland, the total jobs, business revenue and local purchases increased over the 2006-2012 period, as demonstrated in **Table 6**.

**Table 6  
COMPARISON OF ON-SITE GENERATED ECONOMIC IMPACTS 2006-2012**

| <b>Impact Summary (On-site)</b>        | <b>2006</b>      | <b>2012</b>      | <b>Difference</b> | <b>Percent</b> |
|----------------------------------------|------------------|------------------|-------------------|----------------|
| Jobs                                   |                  |                  |                   |                |
| Direct Jobs                            | 3,218            | 3,282            | 64                | 1.98%          |
| Induced Jobs                           | 1,737            | 1,331            | (406)             | -23.38%        |
| Indirect Jobs                          | 1,299            | 1,661            | 363               | 27.92%         |
| <b>Total Jobs</b>                      | <b>6,254</b>     | <b>6,274</b>     | <b>20</b>         | <b>0.32%</b>   |
| Personal Income (\$1,000)              |                  |                  |                   |                |
| Direct                                 | \$136,639        | \$146,389        | \$9,750           | 7.14%          |
| Induced                                | \$187,192        | \$133,734        | (\$53,458)        | -28.56%        |
| Indirect                               | \$58,887         | \$78,412         | \$19,525          | 33.16%         |
| <b>Total</b>                           | <b>\$382,718</b> | <b>\$358,535</b> | <b>(\$24,183)</b> | <b>-6.32%</b>  |
| <b>Business Revenue (\$1,000)</b>      | <b>\$479,126</b> | <b>\$550,716</b> | <b>\$71,590</b>   | <b>14.94%</b>  |
| <b>Local Purchases (\$1,000)</b>       | <b>\$128,527</b> | <b>\$168,173</b> | <b>\$39,647</b>   | <b>30.85%</b>  |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$39,419</b>  | <b>\$35,854</b>  | <b>(\$3,565)</b>  | <b>-9.04%</b>  |

Totals may not add due to rounding

With respect to the economic impacts generated directly by the airport, direct jobs increased by 64, primarily reflecting an increase in tenant employment.

Induced jobs fell by 406 jobs, reflecting a significant lower income multiplier for the Maryland regional economy, as reported by the U.S. Bureau of Economic Analysis, RIMS II, which reflects the economic recession and subsequent recovery.

Indirect jobs increase by 363 jobs, reflecting an increase in local purchases of about \$40 million. This increase is still maintained in spite of an increase in productivity in the service, retail, and manufacturing sectors of the economy since 2006; the growth in productivity in supplying industries has resulted in lower job to sales ratios. This again parallels the current economic downturn.

The direct personal wage and salary income increased by \$9.8 million reflecting the growth in average income per direct job and the overall growth in direct jobs. The induced income and consumption impact fell by \$53.5 million, reflecting a lower personal income multiplier as estimated by the Bureau of Economic Analysis for the region. Indirect income increased by \$19.5 million, again reflecting an increase in local expenditures by airport-dependent firms. In total, personal income fell by 6.3%.

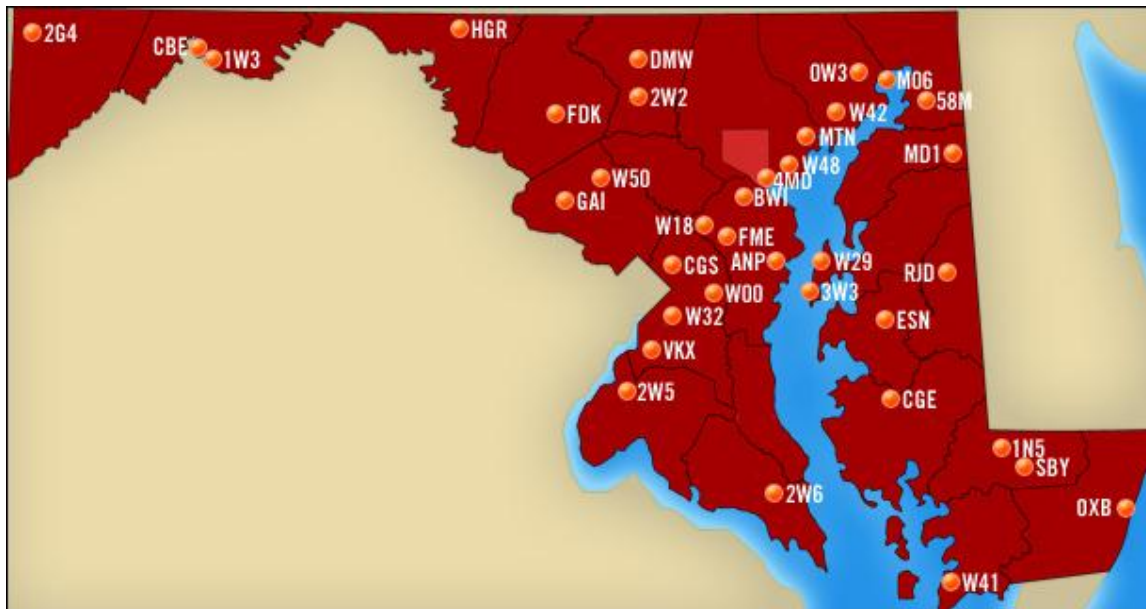
Business revenue grew by \$71.6 million (15%), primarily reflecting an increase tenant operations as well as the addition of new airport-related tenant at key airports. State and local taxes fell by \$3.6 million paralleling the decline in personal income.



## **APPENDIX A SUMMARY OF GA AIRPORT ECONOMIC IMPACTS BY AIRPORT**

**Appendix A** summarizes the economic impacts of each of the 35 airports. Exhibit 2 shows the location of each of the airports within the State of Maryland.

### **Exhibit 2 LOCATION OF PUBLIC USE GENERAL AVIATION AIRPORTS IN MARYLAND**



Source: MAA

|     |                                                                 |     |                                                    |
|-----|-----------------------------------------------------------------|-----|----------------------------------------------------|
| BWI | Baltimore-Washington International<br>Thurgood Marshall Airport | OW3 | Harford County Airport                             |
| W29 | Bay Bridge Airport                                              | M06 | Havre de Grace Seaplane Base                       |
| 1N5 | Bennett Airport                                                 | 3W3 | Kentmorr Airpark                                   |
| CGE | Cambridge-Dorchester Airport                                    | ANP | Lee Airport                                        |
| DMW | Carroll County Regional/Jack B.<br>Poage Field                  | MTN | Martin State Airport                               |
| 58M | Cecil County Airport                                            | 2W5 | Maryland Airport                                   |
| 2W2 | Clearview Airport                                               | MD1 | Massey Aerodrome                                   |
| CGS | College Park Airport                                            | 1W3 | Mexico Farms Airport                               |
| W41 | Crisfield-Somerset Airport                                      | GAI | Montgomery County Airpark                          |
| W50 | Davis Airport                                                   | OXB | Ocean City Municipal Airport                       |
| ESN | Easton Airport/Newnam Field                                     | 4MD | Pier 7 Heliport                                    |
| W48 | Essex Skypark                                                   | VKX | Potomac Airfield                                   |
| W42 | Fallston Airport                                                | RJD | Ridgely Airpark                                    |
| FDK | Frederick Municipal Airport                                     | 2W6 | Saint Mary's County Regional Airport               |
| W00 | Freeway Airport                                                 | SBY | Salisbury-Ocean City: Wicomico<br>Regional Airport |
| 2G4 | Garrett County Airport                                          | W18 | Suburban Airpark                                   |
| CBE | Greater Cumberland Regional Airport                             | FME | Tipton Airport                                     |
| HGR | Hagerstown Regional Airport -<br>Richard                        | W32 | Washington Executive/Hyde Field                    |

A. Henson Field

**Bay Bridge Airport (W29)**

Bay Bridge Airport is a general aviation airport owned by Queen Anne’s County and is open for public use. The airport is located on Kent Island approximately 1 mile west of Stevensville, MD. The airport has 1 asphalt runway available for use (2,910 x 60 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- T-hangars and paved tiedowns

Aviation activity at Bay Bridge Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 61        | Local GA                                 | 22,000        |
| Multi-Engine                 | 12        | Transient GA                             | 44,800        |
| Helicopters                  | 3         | Military/Air Taxi                        | 300           |
| <b>Totals</b>                | <b>76</b> | <b>Total Operations</b>                  | <b>67,100</b> |

Bay Bridge Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 29             | 65             | 95             |
| Induced Jobs                           | 11             | 19             | 29             |
| Indirect Jobs                          | 16             | 36             | 52             |
| <b>Total Jobs</b>                      | <b>56</b>      | <b>119</b>     | <b>176</b>     |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$1,034        | \$1,365        | \$2,399        |
| Induced                                | \$922          | \$1,178        | \$2,100        |
| Indirect                               | \$812          | \$1,668        | \$2,480        |
| <b>Total</b>                           | <b>\$2,769</b> | <b>\$4,211</b> | <b>\$6,979</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$3,337</b> | <b>\$5,678</b> | <b>\$9,015</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$1,472</b> | <b>\$2,666</b> | <b>\$4,137</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$277</b>   | <b>\$421</b>   | <b>\$698</b>   |

**Bennett Airport (1N5)**

Bennett Airport is a small, privately owned general aviation airport that is open for public use. The airport is located on the Delmarva Peninsula about 4 miles northwest of Salisbury, MD. The airport has 2 turf runways available for use (2,300 x 95 ft. and 3,150 x 95 ft.) and provides the following services:

- Minor power plant service
- Agricultural operations (Aerial spraying)
- T-hangars and turf tiedowns

Aviation activity at Bennett Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |          | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|----------|------------------------------------------|--------------|
| Single-Engine                | 6        | Local GA                                 | 1,837        |
| Multi-Engine                 | 0        | Transient                                | 300          |
| <b>Totals</b>                | <b>6</b> | <b>Total Operations</b>                  | <b>2,137</b> |

Bennett Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 3              | NA             | 3            |
| Induced Jobs                           | 1              |                | 1            |
| Indirect Jobs                          | 1              |                | 1            |
| <b>Total Jobs</b>                      | <b>5</b>       |                | <b>5</b>     |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$122          |                | 122          |
| Induced                                | \$108          |                | 108          |
| Indirect                               | \$53           |                | 53           |
| <b>Total</b>                           | <b>\$283</b>   |                | <b>283</b>   |
| <b>Business Revenue (\$1,000)</b>      | <b>\$360</b>   |                | <b>360</b>   |
| <b>Local Purchases (\$1,000)</b>       | <b>\$78</b>    |                | <b>78</b>    |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$28</b>    |                | <b>28</b>    |

**Cambridge-Dorchester Airport (CGE)**

Cambridge-Dorchester Airport is a publicly owned general aviation airport that is open for public use. The airport is located on the Delmarva Peninsula approximately 3 miles southeast of Cambridge, MD. The airport has 1 asphalt/grooved runway available for use (4,477 x 75 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- Agricultural operations (Aerial Spraying)
- T-hangars and paved tiedowns

Aviation activity at Cambridge-Dorchester Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 34        | Local GA                                 | 4,598         |
| Multi-Engine                 | 2         | Transient GA                             | 23,772        |
| Jet                          | 1         | Military                                 | 390           |
| <b>Totals</b>                | <b>42</b> | <b>Total Operations</b>                  | <b>28,760</b> |

Cambridge-Dorchester Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 23             | 67             | 90             |
| Induced Jobs                           | 8              | 19             | 27             |
| Indirect Jobs                          | 7              | 36             | 43             |
| <b>Total Jobs</b>                      | <b>38</b>      | <b>122</b>     | <b>160</b>     |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$656          | \$1,398        | \$2,054        |
| Induced                                | \$585          | \$1,206        | \$1,791        |
| Indirect                               | \$380          | \$1,709        | \$2,090        |
| <b>Total</b>                           | <b>\$1,621</b> | <b>\$4,313</b> | <b>\$5,935</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$4,000</b> | <b>\$5,818</b> | <b>\$9,818</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$780</b>   | <b>\$2,732</b> | <b>\$3,512</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$162</b>   | <b>\$431</b>   | <b>\$593</b>   |

**Carroll County Regional Airport (DMW)**

Carroll County Regional Airport is owned by Carroll County and is open for public use. The airport is located approximately 3 miles north of Westminster, MD. The airport has 1 asphalt/grooved runway available for use (5,100 x 100 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental and sales
- Charter flights
- T-hangars and paved tiedowns

Aviation activity at Carroll County Regional Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 75        | Local GA                                 | 26,625        |
| Multi-Engine                 | 12        | Transient GA                             | 8,895         |
| Helicopter                   | 2         | Military                                 | 90            |
| Jet                          | 4         | Air Taxi                                 | 500           |
| <b>Totals</b>                | <b>93</b> | <b>Total Operations</b>                  | <b>36,090</b> |

Carroll County Regional Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 77             | 37             | 114          |
| Induced Jobs                           | 32             | 11             | 42           |
| Indirect Jobs                          | 60             | 20             | 80           |
| Total Jobs                             | 168            | 69             | 237          |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$3,492        | \$797          | \$4,289      |
| Induced                                | \$3,113        | \$688          | \$3,801      |
| Indirect                               | \$3,055        | \$954          | \$4,009      |
| Total                                  | \$9,661        | \$2,439        | \$12,100     |
| <b>Business Revenue (\$1,000)</b>      |                |                |              |
|                                        | \$11,494       | \$3,258        | \$14,752     |
| <b>Local Purchases (\$1,000)</b>       |                |                |              |
|                                        | \$5,840        | \$1,524        | \$7,365      |
| <b>State and Local Taxes (\$1,000)</b> |                |                |              |
|                                        | \$966          | \$244          | \$1,210      |

**Cecil County Airport (58M)**

Cecil County Airport is a small, privately owned general aviation airport that is open for public use. The airport is located in the northeastern corner of Maryland approximately 3 miles southwest of Elkton, MD. The airport has 1 asphalt runway available for use (3,000 x 70 ft.) and provides the following services:

- Fuel Sales (100LL and MOGAS)
- Minor airframe service
- Minor power plant service
- Flight instruction
- T-hangars and turf tiedowns

Aviation activity at Cecil County Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 48        | Local GA                                 | 11,541        |
| Multi-Engine                 | 7         | Transient GA                             | 2,840         |
| Glider                       |           | Air Taxi                                 | 89            |
| Ultralight                   | 2         | Military                                 | 300           |
| <b>Totals</b>                | <b>57</b> | <b>Total Operations</b>                  | <b>14,770</b> |

Cecil County Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 12             | 4              | 16             |
| Induced Jobs                           | 4              | 1              | 6              |
| Indirect Jobs                          | 4              | 2              | 6              |
| <b>Total Jobs</b>                      | <b>19</b>      | <b>8</b>       | <b>27</b>      |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$419          | \$120          | \$539          |
| Induced                                | \$374          | \$103          | \$477          |
| Indirect                               | \$186          | \$101          | \$287          |
| <b>Total</b>                           | <b>\$978</b>   | <b>\$325</b>   | <b>\$1,303</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$576</b>   | <b>\$369</b>   | <b>\$945</b>   |
| <b>Local Purchases (\$1,000)</b>       | <b>\$316</b>   | <b>\$162</b>   | <b>\$478</b>   |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$98</b>    | <b>\$32</b>    | <b>\$130</b>   |

**Clearview Airport (1W2)**

Clearview Airport is a privately owned general aviation airport that is open for public use. The airport is located in Carroll County and approximately 7 miles south of Westminster, MD. The airport has 1 asphalt runway available for use (1,840 x 30 ft.) and provides the following services:

- Fuel Sales (100LL)
- T-hangars and paved & turf tiedowns

Aviation activity at Clearview Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 27        | Local GA                                 | 13,770        |
| Ultralight                   | 1         | Transient GA                             | 1,530         |
| <b>Totals</b>                | <b>28</b> | <b>Total Operations</b>                  | <b>15,300</b> |

Clearview Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 3              | 2              | 4            |
| Induced Jobs                           | 1              | 1              | 1            |
| Indirect Jobs                          | 1              | 1              | 1            |
| <b>Total Jobs</b>                      | <b>4</b>       | <b>3</b>       | <b>7</b>     |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$73           | \$68           | \$141        |
| Induced                                | \$65           | \$59           | \$124        |
| Indirect                               | \$27           | \$37           | \$64         |
| <b>Total</b>                           | <b>\$165</b>   | <b>\$164</b>   | <b>\$329</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$177</b>   | <b>\$150</b>   | <b>\$327</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$94</b>    | <b>\$59</b>    | <b>\$152</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$16</b>    | <b>\$16</b>    | <b>\$33</b>  |

**College Park Airport (CGS)**

College Park Airport is a small airport owned by the Maryland National Capital Park and Planning Commission and is available for public use. The airport is located approximately 1 mile east of College Park, MD and the University of Maryland College Park campus. The airport has 1 asphalt runway available for use (2,610 x 60 ft.) and provides the following services:

- Fuel Sales (100LL)
- Restaurant
- Paved and turf tiedowns

Aviation activity at College Park Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|-----------|------------------------------------------|--------------|
| Single-Engine                | 37        | Local GA                                 | 2,100        |
| Multi-Engine                 | 4         | Transient GA                             | 1,200        |
| Helicopter                   | 2         | Charter                                  | 50           |
|                              |           | Military                                 | 300          |
| <b>Totals</b>                | <b>43</b> | <b>Total Operations</b>                  | <b>3,650</b> |

College Park Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 25             | 4              | 28           |
| Induced Jobs                           | 9              | 1              | 10           |
| Indirect Jobs                          | 5              | 2              | 6            |
| Total Jobs                             | 38             | 6              | 45           |
|                                        |                |                |              |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$899          | \$105          | \$1,004      |
| Induced                                | \$802          | \$91           | \$893        |
| Indirect                               | \$228          | \$83           | \$310        |
| Total                                  | \$1,929        | \$278          | \$2,207      |
|                                        |                |                |              |
| <b>Business Revenue (\$1,000)</b>      |                |                |              |
|                                        | \$891          | \$306          | \$1,197      |
|                                        |                |                |              |
| <b>Local Purchases (\$1,000)</b>       |                |                |              |
|                                        | \$495          | \$132          | \$627        |
|                                        |                |                |              |
| <b>State and Local Taxes (\$1,000)</b> |                |                |              |
|                                        | \$193          | \$28           | \$221        |



**Crisfield-Somerset County Airport (W41)**

Crisfield-Somerset County Airport is a small, publicly owned general aviation airport that is open for public use. The airport is located on the Delmarva Peninsula approximately 3 miles northeast of Crisfield, MD. The airport has 1 asphalt runway available for use (2,490 x 75 ft.) and 1 turf runway (3,280 x 165 ft.). The following services are available at this airport:

- Fuel Sales (100LL)
- Paved and turf tiedowns

Aviation activity at Crisfield-Somerset County Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |          |                                          |              |
|------------------------------|----------|------------------------------------------|--------------|
| <b><u>Based Aircraft</u></b> |          | <b><u>Annual Aircraft Operations</u></b> |              |
| Single-Engine                | 8        | Local GA                                 | 1,286        |
| Ultralight                   | 1        | Transient GA                             | 894          |
| <b>Totals</b>                | <b>9</b> | <b>Total Operations</b>                  | <b>2,180</b> |

Crisfield-Somerset County Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| JOB                             |                |                |              |
| Direct Jobs                     | 2              | 3              | 5            |
| Induced Jobs                    | 1              | 1              | 2            |
| Indirect Jobs                   | 1              | 1              | 2            |
| Total Jobs                      | 3              | 5              | 8            |
|                                 |                |                |              |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$70           | \$85           | \$155        |
| Induced                         | \$62           | \$73           | \$135        |
| Indirect                        | \$37           | \$57           | \$94         |
| Total                           | \$170          | \$215          | \$384        |
|                                 |                |                |              |
| Business Revenue (\$1,000)      | \$132          | \$219          | \$351        |
|                                 |                |                |              |
| Local Purchases (\$1,000)       | \$90           | \$91           | \$181        |
|                                 |                |                |              |
| State and Local Taxes (\$1,000) | \$17           | \$21           | \$38         |

**Davis Airport (1W2)**

Davis Airport is a small, privately owned general aviation airport that is open for public use. The airport is located in Central Maryland approximately 3 miles north of Laytonsville, MD. The airport has 1 turf/asphalt runway available for use (2,005 x 25 ft.) and provides the following services:

- Minor airframe service
- Minor power plant service
- Paved and turf tiedowns

Aviation activity at Davis Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |              |
|------------------------------|-----------|------------------------------------------|--------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
| Single-Engine                | 19        | Local GA                                 | 5,000        |
|                              |           | Transient GA                             | 100          |
| <b>Totals</b>                | <b>19</b> | <b>Total Operations</b>                  | <b>5,100</b> |

Davis Airport generated the following impacts:

| Impact Summary                         | On-site      | Visitor | Total        |
|----------------------------------------|--------------|---------|--------------|
| <b>JOBS</b>                            |              |         |              |
| Direct Jobs                            | 3            | NA      | 3            |
| Induced Jobs                           | 1            |         | 1            |
| Indirect Jobs                          | 2            |         | 2            |
| <b>Total Jobs</b>                      | <b>6</b>     |         | <b>6</b>     |
| <b>Personal Income (\$1,000)</b>       |              |         |              |
| Direct                                 | \$116        |         | \$116        |
| Induced                                | \$103        |         | \$103        |
| Indirect                               | \$111        |         | \$111        |
| <b>Total</b>                           | <b>\$330</b> |         | <b>\$330</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$200</b> |         | <b>\$200</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$180</b> |         | <b>\$180</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$33</b>  |         | <b>\$33</b>  |

**Easton Airport/Newnam Field (ESN)**

Easton Airport is a publicly owned general aviation airport that is open for public use. The airport is located on the Delmarva Peninsula approximately 2 miles north of Easton, MD. The airport has 2 asphalt runways available for use (4,003 x 100 ft. and 5,500 x 100 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe/power plant service
- Flight instruction
- Aircraft rental and sales
- Aerial photography
- Avionics service
- Charter flights/corporate flight departments
- Automobile rentals
- Airport restaurant
- T-hangars and paved tiedowns

Aviation activity at Easton Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 102        | Local GA                                 | 26,482        |
| Multi-Engine                 | 15         | Transient GA                             | 20,395        |
| Jet                          | 17         | Military                                 | 1,641         |
| Helicopter                   | 3          | Air Taxi                                 | 1,171         |
| <b>Totals</b>                | <b>137</b> | <b>Total Operations</b>                  | <b>49,689</b> |

Easton Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| Jobs                            |                |                |              |
| Direct Jobs                     | 126            | 85             | 211          |
| Induced Jobs                    | 46             | 24             | 70           |
| Indirect Jobs                   | 86             | 46             | 132          |
| Total Jobs                      | 258            | 155            | 413          |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$4,514        | \$1,763        | \$6,277      |
| Induced                         | \$4,025        | \$1,522        | \$5,546      |
| Indirect                        | \$4,362        | \$2,169        | \$6,531      |
| Total                           | \$12,901       | \$5,454        | \$18,355     |
| Business Revenue (\$1,000)      | \$15,131       | \$7,376        | \$22,507     |
| Local Purchases (\$1,000)       | \$8,765        | \$3,466        | \$12,232     |
| State and Local Taxes (\$1,000) | \$1,290        | \$545          | \$1,836      |

**Essex Skypark (W48)**

Essex Skypark is a small, publicly owned general aviation airport that is open for public use. The airport is located on the Back River approximately 3 miles southeast of Baltimore, MD. The airport has 1 asphalt runway available for use (2,084 x 28 ft.) and 1 water runway (3,000 x 300 ft.), which is primarily used by ultralight seaplanes. The following services are available at this airport:

- T-hangars and turf tiedowns

Aviation activity at Essex Skypark represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |              |
|------------------------------|-----------|------------------------------------------|--------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
| Single-Engine                | 41        | Local GA                                 | 8,000        |
| Multi-Engine                 | 1         | Transient GA                             | 584          |
| <b>Totals</b>                | <b>42</b> | <b>Total Operations</b>                  | <b>8,584</b> |

Essex Skypark generated the following impacts:

| Impact Summary                         | On-site      | Visitor | Total        |
|----------------------------------------|--------------|---------|--------------|
| <b>JOBS</b>                            |              |         |              |
| Direct Jobs                            | 2            | NA      | 2            |
| Induced Jobs                           | 1            |         | 1            |
| Indirect Jobs                          | 1            |         | 1            |
| <b>Total Jobs</b>                      | <b>4</b>     |         | <b>4</b>     |
| <b>Personal Income (\$1,000)</b>       |              |         |              |
| Direct                                 | \$140        |         | \$140        |
| Induced                                | \$125        |         | \$125        |
| Indirect                               | \$32         |         | \$32         |
| <b>Total</b>                           | <b>\$297</b> |         | <b>\$297</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$128</b> |         | <b>\$128</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$71</b>  |         | <b>\$71</b>  |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$30</b>  |         | <b>\$30</b>  |

**Fallston Airport (W42)**

Fallston Airport is a small, privately owned general aviation airport that is open for public use. The airport is located approximately 1 mile south of Fallston, MD. The airport has 1 asphalt runway available for use (2,200 x 50 ft.) and provides the following services:

- Fuel Sales (100LL)
- Flight instruction
- Aircraft rental
- T-hangars and turf tiedowns

Aviation activity at Fallston Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |              |
|------------------------------|-----------|------------------------------------------|--------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
| Single-Engine                | 23        | Local GA                                 | 3,753        |
|                              |           | Transient GA                             | 1,251        |
|                              |           | Military                                 | 100          |
| <b>Totals</b>                | <b>23</b> | <b>Total Operations</b>                  | <b>5,104</b> |

Fallston Airport generated the following impacts:

| Impact Summary                         | On-site      | Visitor | Total        |
|----------------------------------------|--------------|---------|--------------|
| <b>JOBS</b>                            |              |         |              |
| Direct Jobs                            | 3            |         | 3            |
| Induced Jobs                           | 1            |         | 1            |
| Indirect Jobs                          | 1            |         | 1            |
| <b>Total Jobs</b>                      | <b>5</b>     |         | <b>5</b>     |
| <b>Personal Income (\$1,000)</b>       |              |         |              |
| Direct                                 | \$127        |         | \$127        |
| Induced                                | \$113        |         | \$113        |
| Indirect                               | \$41         |         | \$41         |
| <b>Total</b>                           | <b>\$281</b> |         | <b>\$281</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$143</b> |         | <b>\$143</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$90</b>  |         | <b>\$90</b>  |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$28</b>  |         | <b>\$28</b>  |

**Frederick Municipal Airport (FDK)**

Frederick Municipal Airport is a publicly owned general aviation airport that is open for public use. The airport is located in Frederick County at the junction of I-70 and I-270. The airport has 2 asphalt runways available for use (5,220 x 100 ft. and 3,600 x 75 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental and sales
- Avionics service
- Charter flights
- Glider operations
- T-hangars and paved tiedowns

Aviation activity at Frederick Municipal Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |                |
|------------------------------|------------|------------------------------------------|----------------|
| Single-engine                | 159        | Local GA                                 | 83,712         |
| Multi-engine                 | 18         | Transient GA                             | 29,374         |
| Jet                          | 5          | Air Taxi                                 | 4,120          |
| Helicopters                  | 13         | Military                                 | 2,000          |
| Gliders/Ultralights          | 33         |                                          |                |
| <b>Totals</b>                | <b>228</b> | <b>Total Operations</b>                  | <b>119,206</b> |

Frederick Municipal Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| Jobs                            |                |                |              |
| Direct Jobs                     | 452            | 114            | 566          |
| Induced Jobs                    | 204            | 32             | 237          |
| Indirect Jobs                   | 421            | 62             | 483          |
| Total Jobs                      | 1,077          | 209            | 1,286        |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$24,092       | \$2,358        | \$26,450     |
| Induced                         | \$21,480       | \$2,035        | \$23,515     |
| Indirect                        | \$20,407       | \$2,919        | \$23,325     |
| Total                           | \$65,978       | \$7,312        | \$73,291     |
| Business Revenue (\$1,000)      | \$100,907      | \$9,915        | \$110,822    |
| Local Purchases (\$1,000)       | \$45,837       | \$4,664        | \$50,501     |
| State and Local Taxes (\$1,000) | \$6,598        | \$731          | \$7,329      |

**Freeway Airport (W00)**

Freeway Airport is a small, privately owned general aviation airport that is open for public use. The airport is located 2 miles northwest of Mitchellville, MD and approximately 15 miles east of downtown Washington, D.C. The airport has 1 asphalt runway available for use (2,425 x 30 ft.) and provides the following services:

- Fuel Sales (100LL)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- Paved and turf tiedowns

Aviation activity at Freeway Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 73        | Local GA                                 | 23,000        |
| Multi-Engine                 | 2         | Transient GA                             | 1,000         |
| Ultralight                   | 1         | Military                                 | 100           |
|                              |           | Air Taxi                                 | 15            |
| <b>Totals</b>                | <b>76</b> | <b>Total Operations</b>                  | <b>24,115</b> |

Freeway Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 27             | 3              | 30             |
| Induced Jobs                           | 9              | 1              | 10             |
| Indirect Jobs                          | 9              | 1              | 10             |
| <b>Total Jobs</b>                      | <b>45</b>      | <b>5</b>       | <b>50</b>      |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$844          | \$92           | \$935          |
| Induced                                | \$752          | \$79           | \$831          |
| Indirect                               | \$477          | \$66           | \$543          |
| <b>Total</b>                           | <b>\$2,073</b> | <b>\$236</b>   | <b>\$2,309</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$1,675</b> | <b>\$248</b>   | <b>\$1,923</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$810</b>   | <b>\$105</b>   | <b>\$915</b>   |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$207</b>   | <b>\$24</b>    | <b>\$231</b>   |

**Garrett County Airport (2G4)**

Garrett County Airport is publicly owned by Garrett County and is available for public use. The airport is located approximately 13 miles northeast of Oakland, MD. The airport has 1 asphalt runway available for use (5,000 x 75 ft.) and provides the following services:

- Fuel Sales (Jet A, 100LL and 80oct)
- Flight instruction
- Aircraft rental
- Charter flights
- T-hangars and paved tiedowns

Aviation activity at Garrett County Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 17        | Local GA                                 | 7,500         |
| Multi-Engine                 | 2         | Transient GA                             | 6,500         |
| Helicopter                   | 3         | Military                                 | 300           |
|                              |           | Air Taxi                                 | 300           |
| <b>Totals</b>                | <b>22</b> | <b>Total Operations</b>                  | <b>14,600</b> |

Garrett County Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site Visitor</b> |                | <b>Total</b>   |
|----------------------------------------|------------------------|----------------|----------------|
| <b>JOBS</b>                            |                        |                |                |
| Direct Jobs                            | 5                      | 19             | 24             |
| Induced Jobs                           | 2                      | 6              | 7              |
| Indirect Jobs                          | 1                      | 10             | 11             |
| <b>Total Jobs</b>                      | <b>7</b>               | <b>35</b>      | <b>42</b>      |
| <b>Personal Income (\$1,000)</b>       |                        |                |                |
| Direct                                 | \$140                  | \$424          | \$564          |
| Induced                                | \$125                  | \$366          | \$490          |
| Indirect                               | \$53                   | \$484          | \$536          |
| <b>Total</b>                           | <b>\$318</b>           | <b>\$1,273</b> | <b>\$1,590</b> |
| <b>Business Revenue (\$1,000)</b>      |                        |                |                |
|                                        | \$296                  | \$1,664        | \$1,960        |
| <b>Local Purchases (\$1,000)</b>       |                        |                |                |
|                                        | \$105                  | \$773          | \$878          |
| <b>State and Local Taxes (\$1,000)</b> |                        |                |                |
|                                        | \$32                   | \$127          | \$159          |



**Greater Cumberland Regional Airport (CBE)**

Although the Greater Cumberland Regional Airport is located 3 miles south of Cumberland, MD in West Virginia, the airport is part of Maryland's aviation system and is owned by the Potomac Highlands Airport Authority. The Greater Cumberland Regional Airport has 2 asphalt runways available for use, (5,048 x 150 ft. and 2,442 x 150 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Glider operations
- T-hangars and paved tiedowns

Aviation activity at Greater Cumberland Regional Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 47        | Local GA                                 | 11,500        |
| Multi-Engine                 | 5         | Transient GA                             | 2,500         |
| Jet                          | 2         | Military                                 | 300           |
| Helicopters                  | 1         |                                          |               |
| Gliders                      | 5         |                                          |               |
| <b>Totals</b>                | <b>60</b> | <b>Total Operations</b>                  | <b>14,300</b> |

Greater Cumberland Regional Airport generated the following impacts (on-site and visitor):

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 20             | 7              | 27             |
| Induced Jobs                           | 10             | 2              | 12             |
| Indirect Jobs                          | 7              | 4              | 11             |
| <b>Total Jobs</b>                      | <b>38</b>      | <b>13</b>      | <b>51</b>      |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$1,245        | \$177          | \$1,422        |
| Induced                                | \$1,110        | \$153          | \$1,263        |
| Indirect                               | \$308          | \$173          | \$481          |
| <b>Total</b>                           | <b>\$2,663</b> | <b>\$502</b>   | <b>\$3,166</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$1,128</b> | <b>\$612</b>   | <b>\$1,740</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$1,099</b> | <b>\$277</b>   | <b>\$1,375</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$266</b>   | <b>\$50</b>    | <b>\$317</b>   |

**Hagerstown Regional Airport – Richard A. Henson Field (HGR)**

Hagerstown Regional Airport is located 4 miles north of Hagerstown, MD. The Hagerstown Regional Airport has 2 asphalt runways available for use, (7,000 x 150 ft. and 3,160 x 100 ft. grooved) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service/major power plant service
- Flight instruction
- Aircraft rental and sales
- Commercial service air passenger service/Charter flights
- Avionics service
- Air cargo
- Automobile rentals
- Corporate flight departments
- Tower
- T-hangars and paved tiedowns

Aviation activity at Hagerstown Regional Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 119        | Local GA                                 | 17,904        |
| Multi-Engine                 | 27         | Transient GA                             | 20,829        |
| Jets                         | 7          | Military                                 | 7,962         |
| Ultralights                  | 3          | Air Taxi/Commercial                      | 4,655         |
| Helicopters                  | 4          |                                          |               |
| <b>Totals</b>                | <b>160</b> | <b>Total Operations</b>                  | <b>51,350</b> |

Hagerstown Regional Airport generated the following impacts (on-site and visitor):

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| Jobs                            |                |                |              |
| Direct Jobs                     | 675            | 114            | 790          |
| Induced Jobs                    | 279            | 33             | 312          |
| Indirect Jobs                   | 175            | 62             | 237          |
| Total Jobs                      | 1,129          | 209            | 1,338        |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$30,867       | \$2,364        | \$33,230     |
| Induced                         | \$27,521       | \$2,040        | \$29,561     |
| Indirect                        | \$8,719        | \$2,925        | \$11,644     |
| Total                           | \$67,106       | \$7,329        | \$74,435     |
| Business Revenue (\$1,000)      | \$99,706       | \$9,937        | \$109,643    |
| Local Purchases (\$1,000)       | \$18,036       | \$4,674        | \$22,711     |
| State and Local Taxes (\$1,000) | \$6,711        | \$733          | \$7,444      |

**Harford County Airport (0W3)**

Harford County Airport is a small, privately owned general aviation airport that is open for public use. The airport is located approximately 3 miles east of Churchville, MD in Harford County. The airport offers 1 asphalt runway (2,000 x 40 ft.) and 2 turf runway (2,000 x 75, 1,600 x 75 ft.). The following services are provided at this airport:

- Fuel Sales (100LL)
- Major airframe service
- Major power plant service
- Flight instruction
- T-hangars and paved tiedowns

Aviation activity at Harford County Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 47        | Local GA                                 | 13,249        |
| Gliders/Ultralight           | 5         | Transient GA                             | 4,416         |
|                              |           | Military                                 | 175           |
| <b>Totals</b>                | <b>52</b> | <b>Total Operations</b>                  | <b>17,840</b> |

Harford County Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 19             | 12             | 31             |
| Induced Jobs                           | 8              | 4              | 12             |
| Indirect Jobs                          | 4              | 7              | 11             |
| <b>Total Jobs</b>                      | <b>31</b>      | <b>23</b>      | <b>54</b>      |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$921          | \$287          | \$1,208        |
| Induced                                | \$821          | \$247          | \$1,068        |
| Indirect                               | \$175          | \$311          | \$486          |
| <b>Total</b>                           | <b>\$1,916</b> | <b>\$846</b>   | <b>\$2,762</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$1,143</b> | <b>\$1,081</b> | <b>\$2,224</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$526</b>   | <b>\$498</b>   | <b>\$1,024</b> |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$192</b>   | <b>\$85</b>    | <b>\$276</b>   |

**Havre de Grace Seaplane Base (M06)**

Havre de Grace Seaplane Base is a small, privately owned general aviation airport that is open for public use. The primary use of the airport is with ultralights. The airport is located approximately 1 mile east of Havre de Grace, MD. The airport has 2 water runways available for use (8,000 x 200 ft.).

Aviation activity at Havre de Grace Seaplane Base represents the following operational statistics regarding based aircraft and number of operations:

|                              |          |                                          |           |
|------------------------------|----------|------------------------------------------|-----------|
| <b><u>Based Aircraft</u></b> |          | <b><u>Annual Aircraft Operations</u></b> |           |
|                              |          | Local GA                                 | 30        |
| <b>Totals</b>                | <b>0</b> | <b>Total Operations</b>                  | <b>30</b> |

Havre de Grace Seaplane Base generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> |
|----------------------------------------|----------------|
| <b>JOBS</b>                            |                |
| Direct Jobs                            | 1              |
| Induced Jobs                           | 0              |
| Indirect Jobs                          | 0              |
| Total Jobs                             | 1              |
|                                        |                |
| <b>Personal Income (\$1,000)</b>       |                |
| Direct                                 | \$18           |
| Induced                                | \$16           |
| Indirect                               | \$1            |
| Total                                  | \$34           |
|                                        |                |
| <b>Business Revenue (\$1,000)</b>      | \$66           |
|                                        |                |
| <b>Local Purchases (\$1,000)</b>       | \$1            |
|                                        |                |
| <b>State and Local Taxes (\$1,000)</b> | \$3            |

**Kentmorr Airpark (3W3)**

Kentmorr Airpark is a small, privately owned general aviation airport that is open for public use. The airpark was established as a residential airpark and is owned and operated by the local homeowners association. The airpark is located on Kent Island, approximately 5 miles southwest of Stevensville, MD and provides convenient access to a marina, restaurant and golf course. The airpark has 1 turf runway available for use (2,400 x 75 ft.) and provides turf aircraft parking.

Aviation activity at Kentmorr Airpark represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |            |
|------------------------------|-----------|------------------------------------------|------------|
| Single-Engine                | 11        | Local GA                                 | 350        |
|                              |           | Transient GA                             | 560        |
|                              |           | Military                                 | 40         |
| <b>Totals</b>                | <b>11</b> | <b>Total Operations</b>                  | <b>950</b> |

Kentmorr Airpark generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> |
|----------------------------------------|----------------|
| <b>JOBS</b>                            |                |
| Direct Jobs                            | 1              |
| Induced Jobs                           | 0              |
| Indirect Jobs                          | 0              |
| Total Jobs                             | 1              |
|                                        |                |
| <b>Personal Income (\$1,000)</b>       |                |
| Direct                                 | \$18           |
| Induced                                | \$16           |
| Indirect                               | \$2            |
| Total                                  | \$35           |
|                                        |                |
| <b>Business Revenue (\$1,000)</b>      | \$66           |
|                                        |                |
| <b>Local Purchases (\$1,000)</b>       | \$10           |
|                                        |                |
| <b>State and Local Taxes (\$1,000)</b> | \$3            |

**Lee Airport (ANP)**

Lee Airport is a family-run general aviation airport that is open for public use. The airport is located approximately 5 miles southwest of Annapolis, MD. The airport has one asphalt runway available for use (2,505 x 48 ft.) and provides the following aviation related services:

- Fuel Sales (100LL)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- T-hangars and turf tiedowns

Aviation activity at Lee Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 83        | Local GA                                 | 13,026        |
| Multi-Engine                 | 1         | Transient GA                             | 2,000         |
|                              |           | Military                                 | 500           |
| <b>Totals</b>                | <b>84</b> | <b>Total Operations</b>                  | <b>15,526</b> |

Lee Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| JOB                             |                |                |              |
| Direct Jobs                     | 19             | 6              | 25           |
| Induced Jobs                    | 6              | 2              | 8            |
| Indirect Jobs                   | 5              | 3              | 8            |
| Total Jobs                      | 31             | 10             | 41           |
|                                 |                |                |              |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$587          | \$149          | \$736        |
| Induced                         | \$523          | \$129          | \$652        |
| Indirect                        | \$276          | \$137          | \$413        |
| Total                           | \$1,386        | \$414          | \$1,800      |
|                                 |                |                |              |
| Business Revenue (\$1,000)      | \$2,660        | \$489          | \$3,149      |
|                                 |                |                |              |
| Local Purchases (\$1,000)       | \$671          | \$218          | \$890        |
|                                 |                |                |              |
| State and Local Taxes (\$1,000) | \$139          | \$41           | \$180        |

**Martin State Airport (MTN)**

Martin State Airport is a general aviation airport owned and operated by the Maryland Aviation Administration and is open for public use. The airport is located approximately 9 miles east of Baltimore, MD. The airport has 1 concrete runway available for use (6,996 x 180 ft.) and 1 helipad (65 x 65 ft.). The following aviation-related services are provided at Martin State Airport:

- Fuel Sales (100LL and Jet A)
- Major airframe service/major power plant service
- Flight instruction
- Aircraft rental and sales
- Air ambulance
- Avionics service
- Control tower
- Corporate flight departments
- Community and T-hangars
- Paved and turf tiedowns

Aviation activity at Martin State Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 149        | Local GA                                 | 23,084        |
| Multi-Engine                 | 26         | Transient GA                             | 45,120        |
| Jet                          | 15         | Military                                 | 4,602         |
| Helicopters                  | 7          | Corporate                                | 1,741         |
| Military                     | 24         |                                          |               |
| <b>Totals</b>                | <b>221</b> | <b>Total Operations</b>                  | <b>74,547</b> |

Martin State Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b>  | <b>Visitor</b>  | <b>Total</b>     |
|----------------------------------------|-----------------|-----------------|------------------|
| <b>JOBS</b>                            |                 |                 |                  |
| Direct Jobs                            | 904             | 174             | 1078             |
| Induced Jobs                           | 352             | 49              | 401              |
| Indirect Jobs                          | 397             | 95              | 492              |
| <b>Total Jobs</b>                      | <b>1,653</b>    | <b>318</b>      | <b>1971</b>      |
| <b>Personal Income (\$1,000)</b>       |                 |                 |                  |
| Direct                                 | \$42,197        | \$3,578         | \$45,775         |
| Induced                                | \$37,623        | \$3,088         | \$40,711         |
| Indirect                               | \$16,966        | \$4,452         | \$21,418         |
| <b>Total</b>                           | <b>\$96,786</b> | <b>\$11,118</b> | <b>\$107,904</b> |
| <b>Business Revenue (\$1,000)</b>      |                 |                 |                  |
|                                        | \$209,374       | \$15,111        | \$224,485        |
| <b>Local Purchases (\$1,000)</b>       |                 |                 |                  |
|                                        | \$45,301        | \$7,114         | \$52,415         |
| <b>State and Local Taxes (\$1,000)</b> |                 |                 |                  |
|                                        | \$9,679         | \$1,112         | \$10,790         |

**Maryland Airport (2W5)**

Maryland Airport is a small, privately owned general aviation airport that is open for public use. The airport is located approximately 4 miles east of Indian Head, MD. The airport has 1 asphalt runway (2,836 x 50 ft.) and 1 turf runway (1,860 x 100 ft.) and provides the following aviation related services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft sales
- Avionics services
- Charter flights
- Corporate flight departments
- T-hangars and paved tiedowns

Aviation activity at Maryland Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|-----------|------------------------------------------|---------------|
| Single-Engine                | 60        | Local GA                                 | 15,000        |
| Multi-Engine                 | 2         | Transient GA                             | 1,000         |
|                              |           | Military                                 | 1,000         |
| <b>Totals</b>                | <b>62</b> | <b>Total Operations</b>                  | <b>17,000</b> |

Maryland Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b>  | <b>Visitor</b> | <b>Total</b>    |
|----------------------------------------|-----------------|----------------|-----------------|
| <b>JOBS</b>                            |                 |                |                 |
| Direct Jobs                            | 122             | 3              | 125             |
| Induced Jobs                           | 69              | 1              | 70              |
| Indirect Jobs                          | 24              | 1              | 25              |
| <b>Total Jobs</b>                      | <b>215</b>      | <b>5</b>       | <b>220</b>      |
|                                        |                 |                |                 |
| <b>Personal Income (\$1,000)</b>       |                 |                |                 |
| Direct                                 | \$6,056         | \$93           | \$6,149         |
| Induced                                | \$8,297         | \$80           | \$8,377         |
| Indirect                               | \$1,236         | \$66           | \$1,302         |
| <b>Total</b>                           | <b>\$15,589</b> | <b>\$239</b>   | <b>\$15,828</b> |
|                                        |                 |                |                 |
| <b>Business Revenue (\$1,000)</b>      | <b>\$9,026</b>  | <b>\$250</b>   | <b>\$9,276</b>  |
|                                        |                 |                |                 |
| <b>Local Purchases (\$1,000)</b>       | <b>\$2,302</b>  | <b>\$105</b>   | <b>\$2,407</b>  |
|                                        |                 |                |                 |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$1,559</b>  | <b>\$24</b>    | <b>\$1,583</b>  |



**Massey Aerodrome (MD1)**

Massey Aerodrome is a small, privately owned general aviation airport/restoration museum that is open for public use. The airport is located in Western Maryland approximately 2 miles east of Massey, MD. The airport has 1 turf runway available for use (3,000 x 100 ft.) but does not provide any services. The airport is operated by volunteers, and hence does not have a quantifiable economic impact.

Aviation activity at Massey Aerodrome represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|-----------|------------------------------------------|--------------|
| Single-Engine                | 22        | Local GA                                 | 3,600        |
|                              |           | Transient GA                             | 1,200        |
|                              |           | Military                                 | 350          |
| <b>Totals</b>                | <b>22</b> | <b>Total Operations</b>                  | <b>5,150</b> |

Massey Aerodrome generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> |
|----------------------------------------|----------------|
| <b>JOBS</b>                            |                |
| Direct Jobs                            | 2              |
| Induced Jobs                           | 1              |
| Indirect Jobs                          | 0              |
| Total Jobs                             | 3              |
|                                        |                |
| <b>Personal Income (\$1,000)</b>       |                |
| Direct                                 | \$70           |
| Induced                                | \$62           |
| Indirect                               | \$1            |
| Total                                  | \$133          |
|                                        |                |
| <b>Business Revenue (\$1,000)</b>      | \$265          |
|                                        |                |
| <b>Local Purchases (\$1,000)</b>       | \$1            |
|                                        |                |
| <b>State and Local Taxes (\$1,000)</b> | \$13           |

**Mexico Farms Airport (1W3)**

Mexico Farms Airport is a small, privately owned general aviation airport that is open for public use. The airport is located in Western Maryland approximately 3 miles south of Cumberland, MD. The airport has 2 turf runways available for use (2,120 x 190 ft. and 2,100 x 195 ft.) but does not provide any services.

Aviation activity at Mexico Farms Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|-----------|------------------------------------------|--------------|
| Single-Engine                | 8         | Local GA                                 | 825          |
| Ultralights                  | 6         | Transient GA                             | 436          |
| <b>Totals</b>                | <b>14</b> | <b>Total Operations</b>                  | <b>1,261</b> |

Mexico Farms Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> |
|----------------------------------------|----------------|
| <b>JOBS</b>                            |                |
| Direct Jobs                            | 2              |
| Induced Jobs                           | 1              |
| Indirect Jobs                          | 0              |
| Total Jobs                             | 2              |
|                                        |                |
| <b>Personal Income (\$1,000)</b>       |                |
| Direct                                 | \$53           |
| Induced                                | \$47           |
| Indirect                               | \$7            |
| Total                                  | \$106          |
|                                        |                |
| <b>Business Revenue (\$1,000)</b>      | \$199          |
|                                        |                |
| <b>Local Purchases (\$1,000)</b>       | \$17           |
|                                        |                |
| <b>State and Local Taxes (\$1,000)</b> | \$11           |

**Montgomery County Airpark (GAI)**

Montgomery County Airpark is a publicly owned general aviation airport that is open for public use. The airport is located 3 miles northeast of Gaithersburg, MD. The airport has 1 asphalt runway available for use (4,200 x 75 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Minor airframe service
- Major power plant service
- Flight instruction
- Aircraft rental and sales
- Charter flights
- Corporate flight departments
- Airport restaurant
- T-hangars and paved tiedowns

Aviation activity at Montgomery County Airpark represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 136        | Local GA                                 | 27,418        |
| Multi-Engine                 | 19         | Transient GA                             | 15,329        |
| Jet                          | 3          | Air Taxi                                 | 8,350         |
| Helicopter                   | 2          |                                          |               |
| <b>Totals</b>                | <b>160</b> | <b>Total Operations</b>                  | <b>51,097</b> |

Montgomery County Airpark generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|---------------------------------|----------------|----------------|--------------|
| Jobs                            |                |                |              |
| Direct Jobs                     | 49             | 67             | 115          |
| Induced Jobs                    | 18             | 19             | 37           |
| Indirect Jobs                   | 21             | 36             | 57           |
| Total Jobs                      | 88             | 122            | 210          |
|                                 |                |                |              |
| Personal Income (\$1,000)       |                |                |              |
| Direct                          | \$1,715        | \$1,392        | \$3,107      |
| Induced                         | \$1,529        | \$1,202        | \$2,731      |
| Indirect                        | \$1,119        | \$1,703        | \$2,822      |
| Total                           | \$4,364        | \$4,297        | \$8,660      |
|                                 |                |                |              |
| Business Revenue (\$1,000)      | \$6,230        | \$5,795        | \$12,025     |
|                                 |                |                |              |
| Local Purchases (\$1,000)       | \$1,949        | \$2,721        | \$4,670      |
|                                 |                |                |              |
| State and Local Taxes (\$1,000) | \$436          | \$430          | \$866        |

**Ocean City Municipal Airport (OXB)**

Ocean City Municipal Airport is owned by the Town of Ocean City and is open for public use. The airport is located approximately 2 miles southwest of Ocean City, MD. The airport has 2 asphalt/concrete runways available for use (3,201 x 75 ft. and 4,072 x 75 ft.) and provides the following aviation-related services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- Charter service
- Skydiving
- Sightseeing Packages
- T-hangars and paved tiedowns

Aviation activity at Ocean City Municipal Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 38        | Local GA                                 | 7,500         |
| Multi-Engine                 | 3         | Transient GA                             | 29,600        |
| Helicopter                   | 2         |                                          |               |
| <b>Totals</b>                | <b>43</b> | <b>Total Operations</b>                  | <b>37,100</b> |

Ocean City Municipal Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>    |
|---------------------------------|----------------|----------------|-----------------|
| JOBS                            |                |                |                 |
| Direct Jobs                     | 60             | 133            | 193             |
| Induced Jobs                    | 21             | 38             | 59              |
| Indirect Jobs                   | 19             | 73             | 92              |
| <b>Total Jobs</b>               | <b>100</b>     | <b>244</b>     | <b>344</b>      |
|                                 |                |                |                 |
| Personal Income (\$1,000)       |                |                |                 |
| Direct                          | \$2,061        | \$2,752        | \$4,814         |
| Induced                         | \$1,838        | \$2,375        | \$4,213         |
| Indirect                        | \$996          | \$3,413        | \$4,409         |
| <b>Total</b>                    | <b>\$4,895</b> | <b>\$8,541</b> | <b>\$13,436</b> |
|                                 |                |                |                 |
| Business Revenue (\$1,000)      | \$6,796        | \$11,590       | \$18,386        |
|                                 |                |                |                 |
| Local Purchases (\$1,000)       | \$1,894        | \$5,454        | \$7,347         |
|                                 |                |                |                 |
| State and Local Taxes (\$1,000) | \$490          | \$854          | \$1,344         |

**Pier 7 Heliport (4MD)**

Pier 7 Heliport is a privately owned helipad that is open for public use. The heliport is located in Baltimore. The heliport has 1 helipad available for use (45 x 45 ft.).

Aviation activity at Pier 7 Heliport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |          | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|----------|------------------------------------------|--------------|
| Helicopter                   | 3        | Local GA                                 | 650          |
|                              |          | Transient GA                             | 3,000        |
|                              |          | Charter                                  | 50           |
| <b>Totals</b>                | <b>3</b> | <b>Total Operations</b>                  | <b>3,700</b> |

Pier 7 Heliport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 8              | 14             | 21           |
| Induced Jobs                           | 4              | 4              | 8            |
| Indirect Jobs                          | 2              | 7              | 9            |
| Total Jobs                             | 14             | 25             | 39           |
|                                        |                |                |              |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$391          | \$316          | \$707        |
| Induced                                | \$536          | \$272          | \$808        |
| Indirect                               | \$80           | \$346          | \$426        |
| Total                                  | \$1,007        | \$934          | \$1,941      |
|                                        |                |                |              |
| <b>Business Revenue (\$1,000)</b>      | \$964          | \$1,199        | \$2,163      |
|                                        |                |                |              |
| <b>Local Purchases (\$1,000)</b>       | \$189          | \$553          | \$742        |
|                                        |                |                |              |
| <b>State and Local Taxes (\$1,000)</b> | \$101          | \$93           | \$194        |

**Potomac Airfield (VKX)**

Potomac Airfield is a small, publicly owned general aviation airport that is open for public use. The airport is located in close proximity to Washington, DC in Prince George's County. The airport has 1 asphalt runway available for use (2,665 x 40 ft.) and provides the following aviation-related services:

- Fuel Sales (100LL and 80oct)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- Charter flights
- T-hangars and turf tiedowns

Aviation activity at Potomac Airfield represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 84        | Local GA                                 | 10,000        |
| Multi-Engine                 | 3         | Transient GA                             | 1,999         |
| <b>Totals</b>                | <b>87</b> | <b>Total Operations</b>                  | <b>11,999</b> |

Potomac Airfield generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b> |
|----------------------------------------|----------------|----------------|--------------|
| <b>JOBS</b>                            |                |                |              |
| Direct Jobs                            | 24             | 8              | 33           |
| Induced Jobs                           | 10             | 3              | 12           |
| Indirect Jobs                          | 14             | 4              | 19           |
| Total Jobs                             | 48             | 15             | 63           |
| <b>Personal Income (\$1,000)</b>       |                |                |              |
| Direct                                 | \$1,014        | \$206          | \$1,221      |
| Induced                                | \$904          | \$178          | \$1,082      |
| Indirect                               | \$699          | \$209          | \$908        |
| Total                                  | \$2,617        | \$593          | \$3,211      |
| <b>Business Revenue (\$1,000)</b>      | \$4,168        | \$734          | \$4,902      |
| <b>Local Purchases (\$1,000)</b>       | \$1,385        | \$334          | \$1,719      |
| <b>State and Local Taxes (\$1,000)</b> | \$262          | \$59           | \$321        |

**Ridgely Airpark (RJD)**

Ridgely Airpark is a small, privately owned general aviation airport that is open for public use. The airport, formerly known as Ridgely-Pelican is located on the Delmarva Peninsula about 2 miles northeast of Ridgely, MD and 35 miles east of the Bay Bridge. The airport has 1 asphalt runway available for use (3,200 x 50 ft.) and provides the following aviation-related services:

- Fuel Sales (100LL and Jet A)
- Glider operations
- Flight instruction
- Aircraft rental
- Banner towing
- T-hangars and paved tiedowns

Aviation activity at Ridgely Airpark represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |               |
|------------------------------|-----------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 13        | Local GA                                 | 12,700        |
| Glider/Ultralight            | 24        | Transient GA                             | 11,500        |
| <b>Totals</b>                | <b>37</b> | <b>Total Operations</b>                  | <b>24,200</b> |

Ridgely Airpark generated the following impacts:

| Impact Summary                  | On-site |
|---------------------------------|---------|
| JOB                             |         |
| Direct Jobs                     | 10      |
| Induced Jobs                    | 3       |
| Indirect Jobs                   | 2       |
| Total Jobs                      | 15      |
|                                 |         |
| Personal Income (\$1,000)       |         |
| Direct                          | \$250   |
| Induced                         | \$223   |
| Indirect                        | \$240   |
| Total                           | \$713   |
|                                 |         |
| Business Revenue (\$1,000)      | \$639   |
|                                 |         |
| Local Purchases (\$1,000)       | \$495   |
|                                 |         |
| State and Local Taxes (\$1,000) | \$71    |

**Salisbury-Ocean City: Wicomico Regional Airport (SBY)**

Salisbury-Ocean City: Wicomico Regional Airport is located 4 miles southeast of Salisbury, MD. Salisbury-Ocean City: Wicomico Regional Airport has 1 asphalt runway available for use (5,000 x 100 ft.) and 1 asphalt/concrete runway (6,400 x 100 ft.). The airport provides the following aviation-related services:

- Fuel Sales (100LL and Jet A)
- Major airframe service/major power plant service
- Commercial service passenger service
- Flight instruction
- Aircraft rental
- Control tower
- Corporate flight departments
- Air freight operations
- Automobile rentals
- T-hangars and paved tiedowns

Aviation activity at Salisbury-Ocean City: Wicomico Regional Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 58         | Local GA                                 | 13,872        |
| Multi-Engine                 | 58         | Transient GA                             | 14,384        |
| Jet                          | 3          | Military                                 | 12,840        |
| Helicopters                  | 2          | Commercial                               | 6,579         |
| Ultralights                  | 2          |                                          |               |
| <b>Totals</b>                | <b>123</b> | <b>Total Operations</b>                  | <b>47,675</b> |

Salisbury-Ocean City: Wicomico Regional Airport generated the following impacts:

| <b>Impact Summary</b>           | <b>On-site</b>  | <b>Visitor</b>  | <b>Total</b>    |
|---------------------------------|-----------------|-----------------|-----------------|
| Jobs                            |                 |                 |                 |
| Direct Jobs                     | 429             | 209             | 638             |
| Induced Jobs                    | 161             | 59              | 220             |
| Indirect Jobs                   | 255             | 114             | 369             |
| <b>Total Jobs</b>               | <b>844</b>      | <b>383</b>      | <b>1,227</b>    |
|                                 |                 |                 |                 |
| Personal Income (\$1,000)       |                 |                 |                 |
| Direct                          | \$16,242        | \$4,298         | \$20,540        |
| Induced                         | \$14,481        | \$3,709         | \$18,191        |
| Indirect                        | \$11,215        | \$5,359         | \$16,574        |
| <b>Total</b>                    | <b>\$41,939</b> | <b>\$13,367</b> | <b>\$55,305</b> |
|                                 |                 |                 |                 |
| Business Revenue (\$1,000)      | \$46,100        | \$18,185        | \$64,285        |
|                                 |                 |                 |                 |
| Local Purchases (\$1,000)       | \$17,916        | \$8,564         | \$26,480        |
|                                 |                 |                 |                 |
| State and Local Taxes (\$1,000) | \$4,194         | \$1,337         | \$5,531         |



**St. Mary's County Regional Airport (2W6)**

St. Mary's County Regional Airport is owned by St. Mary's County and is open for public use. The airport is located approximately 4 miles northeast of Leonardtown, MD. The airport has 1 asphalt runway available for use (4,150 x 75 ft.) and provides the following services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental and sales
- Charter flights
- Air ambulance
- T-hangars and paved tiedowns

Aviation activity at the St. Mary's County Regional Airport represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
|------------------------------|------------|------------------------------------------|---------------|
| Single-Engine                | 130        | Local GA                                 | 22,633        |
| Multi-Engine                 | 10         | Transient GA                             | 15,090        |
| Helicopter                   | 4          | Air Taxi                                 | 279           |
| Jet                          | 2          |                                          |               |
| <b>Totals</b>                | <b>146</b> | <b>Total Operations</b>                  | <b>38,002</b> |

St. Mary's County Regional Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>    |
|----------------------------------------|----------------|----------------|-----------------|
| <b>JOBS</b>                            |                |                |                 |
| Direct Jobs                            | 86             | 64             | 149             |
| Induced Jobs                           | 27             | 18             | 45              |
| Indirect Jobs                          | 36             | 35             | 71              |
| <b>Total Jobs</b>                      | <b>149</b>     | <b>117</b>     | <b>265</b>      |
|                                        |                |                |                 |
| <b>Personal Income (\$1,000)</b>       |                |                |                 |
| Direct                                 | \$2,198        | \$1,335        | \$3,533         |
| Induced                                | \$1,960        | \$1,152        | \$3,112         |
| Indirect                               | \$1,669        | \$1,629        | \$3,298         |
| <b>Total</b>                           | <b>\$5,826</b> | <b>\$4,116</b> | <b>\$9,942</b>  |
|                                        |                |                |                 |
| <b>Business Revenue (\$1,000)</b>      | <b>\$8,999</b> | <b>\$5,546</b> | <b>\$14,544</b> |
|                                        |                |                |                 |
| <b>Local Purchases (\$1,000)</b>       | <b>\$3,499</b> | <b>\$2,603</b> | <b>\$6,102</b>  |
|                                        |                |                |                 |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$583</b>   | <b>\$412</b>   | <b>\$994</b>    |

**Suburban Airpark (W18)**

Suburban Airpark is a small, privately owned general aviation airport that is open for public use. The airport is located approximately 2 miles southeast of Laurel, MD. The airport has 1 asphalt runway available for use (2,324 x 40 ft.) and provides the following aviation-related services:

- Fuel Sales (100LL)
- Flight instruction
- T-hangars

Aviation activity at Suburban Airpark represents the following operational statistics regarding based aircraft and number of operations:

|                              |           |                                          |              |
|------------------------------|-----------|------------------------------------------|--------------|
| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
| Single-Engine                | 19        | Local GA                                 | 2,500        |
| Helicopter                   | <u>1</u>  | Transient GA                             | <u>100</u>   |
| <b>Totals</b>                | <b>20</b> | <b>Total Operations</b>                  | <b>2,600</b> |

Suburban Airpark generated the following impacts:

| Impact Summary                  | On-site |
|---------------------------------|---------|
| JOBS                            |         |
| Direct Jobs                     | 1       |
| Induced Jobs                    | 0       |
| Indirect Jobs                   | 0       |
| Total Jobs                      | 2       |
|                                 |         |
| Personal Income (\$1,000)       |         |
| Direct                          | \$30    |
| Induced                         | \$27    |
| Indirect                        | \$17    |
| Total                           | \$74    |
|                                 |         |
| Business Revenue (\$1,000)      | \$132   |
|                                 |         |
| Local Purchases (\$1,000)       | \$33    |
|                                 |         |
| State and Local Taxes (\$1,000) | \$7     |

**Tipton Airport (FME)**

Tipton Airport is owned and operated by the Tipton Airport Authority and is open for public use. The airport is located about 1 mile southwest of Fort Meade (Odenton), MD. The airport has 1 asphalt runway available for use (3,000 x 75 ft.) and provides the following services:

- Fuel Sales (100LL)
- Hangars and paved tie downs
- Minor power plant service

Aviation activity at Tipton Airport represents the following operational statistics regarding based aircraft and number of operations:

|                              |            |                                          |               |
|------------------------------|------------|------------------------------------------|---------------|
| <b><u>Based Aircraft</u></b> |            | <b><u>Annual Aircraft Operations</u></b> |               |
| Single-Engine                | 90         | Local GA                                 | 12,000        |
| Multi-Engine                 | 8          | Transient GA                             | 36,000        |
| Helicopters                  | 7          | Air Taxi                                 | 1,200         |
| <b>Totals</b>                | <b>105</b> | <b>Total Operations</b>                  | <b>49,200</b> |

Tipton Airport generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b>  | <b>Visitor</b> | <b>Total</b>    |
|----------------------------------------|-----------------|----------------|-----------------|
| <b>JOBS</b>                            |                 |                |                 |
| Direct Jobs                            | 55              | 101            | 156             |
| Induced Jobs                           | 27              | 29             |                 |
| Indirect Jobs                          | 78              | 55             | 133             |
| <b>Total Jobs</b>                      | <b>160</b>      | <b>185</b>     | <b>345</b>      |
|                                        |                 |                |                 |
| <b>Personal Income (\$1,000)</b>       |                 |                |                 |
| Direct                                 | \$3,452         | \$2,100        | \$5,552         |
| Induced                                | \$3,077         | \$1,813        | \$4,890         |
| Indirect                               | \$4,074         | \$2,592        | \$6,666         |
| <b>Total</b>                           | <b>\$10,603</b> | <b>\$6,505</b> | <b>\$17,108</b> |
|                                        |                 |                |                 |
| <b>Business Revenue (\$1,000)</b>      | <b>\$12,011</b> | <b>\$8,810</b> | <b>\$20,821</b> |
|                                        |                 |                |                 |
| <b>Local Purchases (\$1,000)</b>       | <b>\$7,156</b>  | <b>\$4,142</b> | <b>\$11,298</b> |
|                                        |                 |                |                 |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$1,060</b>  | <b>\$651</b>   | <b>\$1,711</b>  |

**Washington Executive Airport/Hyde Field (W32)**

Washington Executive/Hyde Field is a privately owned general aviation airport that is open for public use. The airport is located approximately 2 miles southwest of Clinton, MD. The airport has 1 asphalt runway available for use (3,000 x 60 ft.) and provides the following aviation-related services:

- Fuel Sales (100LL and Jet A)
- Major airframe service
- Major power plant service
- Flight instruction
- Aircraft rental
- Charter flights
- T-hangars and paved tiedowns

Aviation activity at Washington Executive/Hyde Field represents the following operational statistics regarding based aircraft and number of operations:

| <b><u>Based Aircraft</u></b> |           | <b><u>Annual Aircraft Operations</u></b> |              |
|------------------------------|-----------|------------------------------------------|--------------|
| Single-Engine                | 42        | Local GA                                 | 4,910        |
| Ultralight                   | 4         | Transient GA                             | 291          |
| Charter                      | 19        | Military                                 | 185          |
| <b>Totals</b>                | <b>65</b> | <b>Total Operations</b>                  | <b>5,386</b> |

Washington Executive/Hyde Field generated the following impacts:

| <b>Impact Summary</b>                  | <b>On-site</b> | <b>Visitor</b> | <b>Total</b>   |
|----------------------------------------|----------------|----------------|----------------|
| <b>JOBS</b>                            |                |                |                |
| Direct Jobs                            | 7              | 2              | 9              |
| Induced Jobs                           | 3              | 1              | 4              |
| Indirect Jobs                          | 7              | 1              | 8              |
| <b>Total Jobs</b>                      | <b>17</b>      | <b>4</b>       | <b>21</b>      |
| <b>Personal Income (\$1,000)</b>       |                |                |                |
| Direct                                 | \$269          | \$76           | \$345          |
| Induced                                | \$369          | \$66           | \$435          |
| Indirect                               | \$353          | \$45           | \$398          |
| <b>Total</b>                           | <b>\$991</b>   | <b>\$187</b>   | <b>\$1,177</b> |
| <b>Business Revenue (\$1,000)</b>      | <b>\$1,594</b> | <b>\$178</b>   | <b>\$1,772</b> |
| <b>Local Purchases (\$1,000)</b>       | <b>\$670</b>   | <b>\$72</b>    | <b>\$742</b>   |
| <b>State and Local Taxes (\$1,000)</b> | <b>\$99</b>    | <b>\$19</b>    | <b>\$118</b>   |