Airports provide a unique service to their local communities and surrounding regions, serving as an integral link to a larger transportation system to move people and goods all around the world. In addition to providing a means of travel, airports also facilitate necessary and sometimes critical services such as air cargo and freight, police and law enforcement, emergency medical services, firefighting, and disaster and emergency response, among others. Airports serve as catalysts for activity and contribute significant economic and social benefits to their local, regional, and state economies. Airports spur economic impact in a variety of ways, from employing people on-airport, to welcoming visitors from out-of-state who spend money in the Commonwealth. The 2022 Pennsylvania Aviation Economic Impact Study (PA AEIS) documents the economic contribution of 122 public-use airports to the state's economy on an annual basis. Due to the timing of this study in relation to the COVID-19 pandemic, two base years were assessed; 2019 was used to document a regular year of activity and impact under normal circumstances, and 2020 was used to identify the changes in impact during a year of disruptions. Findings from both years are presented in this executive summary, along with findings from unique analyses, such as the assessment of impacts generated by hospital heliports and how Uncrewed Aerial Systems (UAS) are used across several industries in the Commonwealth.

Pennsylvania System Map

Legend:
- Commercial Service
- Advanced
- Intermediate
- Basic
- Limited
- Special Use

Airport identifiers on map: ERI, 03G, 8G2, P15, BFD, N38, N27, 9N3, N30, GKJ, 6G1, 76N, 70N, AVP, 8N4, 4G1, FKL, AXQ, WBW, MPO, 48P, 29D, OYM, P96, IPT, HZL, N53, UCP, DUJ, FIG, LHV, 8N8, N13, 14N, N43, PJC, 3G9, N35, 79N, N96, H11, 71N, N79, 22N, 69N, BTP, 6P7, 1N3, N74, ZER, P91, ABE, BVI, PSB, N16, SEG, XLL, UKT, 9N1, IDI, UNV, RVL, 74N, RDG, 7N8, CKZ, DYL, PIT, 9G1, 9G8, 6G6, P34, 8N1, 9N7, 08N, N48, PNE, 5G8, 58N, 9D4, N47, PTW, LOM, 00A, AGC, JST, AOO, CXY, MDT, LNS, O03, OQN, P72, G05, 31D, LBE, N94, 2N5, 0P8, S37, 9N2, P99, HMZ, N71, 9W8, MQS, PHL, AFJ, 22D, P45, 2G9, N68, 07N, THV, N57, WAY, VVS, P17, W73, W05, 0P2

2019 Statewide Impacts

	Employment	Payroll	Output
Direct	133,473 JOBS	$6,887,041,200	$18,527,281,900
Multiplier	92,687 JOBS	$5,605,286,000	$15,606,623,500
Total	226,160 JOBS	$12,492,327,200	$34,133,905,400

Overview of Economic Impact

To comprehensively assess the economic impact of Pennsylvania's airport system, both direct and multiplier impacts must be calculated. The graphic below illustrates the relationship between direct, multiplier, and total impacts. Impacts are presented across three categories: employment, payroll, and output.

Direct Impacts:
Initial effects that occur on- and off-airport, including airport operations, construction, airport tenants, spending from visitors, and companies using air transportation services to ship goods to market.

+ Multiplier Impacts:
Indirect: Portions of direct revenues used to purchase goods and services from Pennsylvania businesses.

Induced: Income earned by workers from direct and supplier sales transactions that are then spent in Pennsylvania.

= TOTAL IMPACTS:
The sum of direct impacts and multiplier impacts.

Economic Impact Categories

Employment:
The total number of persons employed that are associated with business revenues and payroll, regardless of whether they are full-time or part-time.

$ Payroll:
Total employment compensation including wages and other benefits (e.g., health care insurance payments, retirement contributions, etc.).

Output:
Includes expenditures needed to administer airports, sales of goods and services by airport tenants, budget expenditures by public sector agencies located on-airport, cost of capital expenditures, visitor spending in Pennsylvania's hospitality-related sectors, and sales enabled by air cargo services. Output is also referred to as "business revenues" or sales.

SOURCES OF DIRECT IMPACTS

On-Airport
Airport Owners/Operators/Sponsors

Aviation Tenants

Aviation-Related Businesses Near PIT and PHL

Off-Airport
Commercial Service and General Aviation Visitors

Off-Airport Aerospace Manufacturing

Off-Airport Air Cargo

Off-Airport Private Hospital Heliports

Methodology

To capture and model the economic contribution of airports to the state's economy, a significant data collection effort was undertaken. Customized surveys were developed and distributed to the aviation system users depicted in the graphic above: airport sponsors, aviation tenants, commercial and general aviation visitors, and private hospital heliports. Data for the other sources of impacts, including aviation-related businesses near Pittsburgh and Philadelphia International airports, and off-airport aerospace manufacturing and cargo were obtained through other industry-accepted sources. Each survey requested similar information regarding the number of employees associated with the business or entity, their associated industry, payroll, capital expenditures, and more. These inputs were then modeled using the IMPLAN platform to determine multiplier impacts, and ultimately, the total impacts for each airport and the system as a whole.

Comparison of 2019 and 2020 Impacts by Source

The economic contribution of Pennsylvania's airport system is significant. As previously noted, total impacts are generated from different sources. The tables below provide a breakdown of impacts by source for both 2019 and 2020. As can be expected, the COVID-19 pandemic had notable negative impacts on the total economic contribution of airports in the state, especially as commercial aviation came to a near halt for a period of time. General aviation airports were also impacted but to varying degrees; some flourished with additional private business travel and recreational activity, while others also saw a decline in total operations and economic activity from the previous year.

2019 Economic Impact

	Employment	Payroll	Output
On-Airport Activity	38,706	$3,089,628,500	$10,074,238,600
Commercial Service Visitor Spending	88,965	$3,511,150,100	$7,776,217,900
General Aviation Visitor Spending	1,430	$47,373,400	$113,373,600
Aviation-Related Businesses near PIT and PHL	4,373	$238,889,200	$563,451,800
Total Direct Impacts	133,473	$6,887,041,200	$18,527,281,900
Total Multiplier Impacts	92,687	$5,605,286,000	$15,606,623,500
Total Impacts	**226,160**	**$12,492,327,200**	**$34,133,905,400**

Note: Totals may not sum due to rounding. Sources: Calculations using IMPLAN, 2019; Kimley-Horn, 2022.

2019 Total Output of Other Aviation-Related Impacts in Pennsylvania

Off-Airport Aerospace Manufacturing	Off-Airport Air Cargo	Off-Airport Private Hospital Heliports
$8.7 BILLION	**$1.1** BILLION	**$150** MILLION

2020 Economic Impact

	Employment	Payroll	Output
On-Airport Activity	31,712	$2,698,351,300	$5,635,238,400
Commercial Service Visitor Spending	25,963	$1,085,875,100	$2,258,771,100
General Aviation Visitor Spending	814	$24,800,500	$54,652,600
Aviation-Related Businesses near PIT and PHL	4,373	$272,764,700	$466,666,800
Total Direct Impacts	62,863	$4,081,791,600	$8,415,328,900
Total Multiplier Impacts	41,327	$2,832,151,500	$7,351,595,800
Total Impacts	**104,190**	**$6,913,943,100**	**$15,766,924,700**

Note: Totals may not sum due to rounding. Sources: Calculations using IMPLAN, 2020; Kimley-Horn, 2022.

2020 Total Output of Other Aviation-Related Impacts in Pennsylvania

Off-Airport Aerospace Manufacturing	Off-Airport Air Cargo	Off-Airport Private Hospital Heliports
$9.2 BILLION	**$1.1** BILLION	**$75** MILLION

2022 Pennsylvania Aviation Economic Impact Study

2019 Impacts by Airport*

Associated City	Airport Name	FAA ID	Total Employment	Total Payroll	Total Output
Commercial Service Airports					
Allentown	Lehigh Valley International Airport	ABE	4,813	$224,078,200	$618,904,600
Altoona	Altoona-Blair County Airport	AOO	159	$8,484,000	$22,932,000
Bradford	Bradford Regional Airport	BFD	79	$4,487,000	$12,684,700
DuBois	DuBois Regional Airport	DUJ	161	$10,354,900	$33,473,000
Erie	Erie Intl./Tom Ridge Field	ERI	956	$46,021,300	$136,196,900
Harrisburg	Harrisburg International Airport	MDT	7,375	$346,559,500	$956,903,700
Johnstown	John Murtha Johnston-Cambria County Airport	JST	523	$24,410,100	$76,367,300
Lancaster	Lancaster Airport	LNS	646	$35,048,800	$105,252,200
Latrobe	Arnold Palmer Regional Airport	LBE	1,745	$76,954,400	$203,562,100
Philadelphia	Philadelphia International Airport	PHL	148,193	$8,305,450,900	$22,636,081,900
Pittsburgh	Pittsburgh International Airport	PIT	39,837	$2,153,533,000	$5,720,349,700
State College	University Park Airport	UNV	1,755	$85,902,500	$242,604,600
Wilkes-Barre/Scranton	Wilkes-Barre/Scranton International Airport	AVP	2,237	$95,453,300	$290,597,400
Williamsport	Williamsport Regional Airport	IPT	296	$15,865,200	$45,989,000
General Aviation Airports					
Allentown	Allentown Queen City Municipal Airport	XLL	56	$2,815,600	$8,677,700
Bally	Butter Valley Golfport	7N8	2	$147,900	$388,900
Beaver Falls	Beaver County Airport	BVI	140	$7,345,400	$20,540,100
Bedford	Bedford County Airport	HMZ	55	$3,178,600	$8,427,300
Bellefonte	Bellefonte Airport	N96	17	$1,249,200	$2,801,400
Bensalem	Total RF Heliport	00A	0	$4,900	$20,200
Bethel	Grimes Airport	8N1	4	$181,100	$482,300
Bloomsburg	Bloomsburg Municipal Airport	N13	39	$2,445,500	$6,461,000
Breezewood	Greater Breezewood Regional	P17	0	$27,100	$83,300
Brogue	Baublitz Commercial Airport	9W8	2	$144,300	$433,100
Butler	Pittsburg-Butler Regional Airport	BTP	167	$8,709,300	$23,633,200
Butler	Butler Farm Show Airport	3G9	2	$69,600	$214,800
Canadensis	Flying Dollar Airport	8N4	2	$117,900	$299,700
Carlisle	Carlisle Airport	N94	31	$1,342,500	$3,593,600
Centre Hall	Centre Airpark	N16	0	$14,500	$54,600
Centre Hall	Penn's Cave Airport	N74	0	$9,300	$40,500
Chambersburg	Franklin County Regional Airport	N68	18	$881,600	$2,435,100
Clarion	Clarion County Airport	AXQ	43	$2,149,900	$5,831,500
Clearfield	Clearfield-Lawrence Airport	FIG	9	$342,500	$1,393,100
Coatesville	Chester County G.O. Carlson Airport	MQS	265	$15,087,000	$38,563,800
Connellsville	Joseph A. Hardy Connellsville Airport	VVS	171	$7,123,200	$35,462,200
Corry	Corry-Lawrence Airport	8G2	29	$1,776,500	$4,652,700
Cresco	Rocky Hill Ultralight Airport	48P	0	$3,900	$18,000
Danville	Danville Airport	8N8	12	$600,500	$2,405,700
Dover	Lazy B Ranch Airport	0P8	0	$7,100	$34,300
Doylestown	Doylestown Airport	DYL	70	$2,864,300	$17,465,500
East Stroudsburg	Stroudsburg-Pocono Airport	N53	9	$427,200	$1,169,000
Easton	Braden Airpark	N43	19	$992,700	$2,515,000
Ebensburg	Ebensburg Airport	9G8	3	$154,100	$447,300
Eighty Four	Bandel Airport	22D	1	$38,400	$88,900
Erie	Thermal-G Gliderport	03G	0	$5,500	$22,600
Erwinna	Van Sant Airport	9N1	19	$968,700	$3,016,400
Essington	Philadelphia Seaplane Base	9N2	0	$3,200	$16,300
Factoryville	Seamans Airport	9N3	6	$341,200	$973,300
Fairfield	Mid Atlantic Soaring Center	W73	1	$57,600	$286,800
Finleyville	Finleyville Airpark	G05	8	$349,400	$1,174,400
Franklin	Venango Regional Airport	FKL	35	$1,533,800	$3,838,100
Fredericksburg	Farmers Pride Airport	9N7	3	$162,300	$502,400
Freeport	McVille Airport	6P7	13	$460,600	$1,214,800
Germansville	Flying M Aerodrome	P91	1	$40,000	$147,200
Gettysburg	Gettysburg Regional Airport	W05	12	$681,500	$1,828,200
Greenville	Greenville Municipal Airport	4G1	5	$286,900	$756,200
Grove City	Grove City Airport	29D	119	$6,420,700	$20,129,600
Harrisburg	Capital City Airport	CXY	336	$18,879,700	$58,703,300
Hazleton	Hazleton Regional Airport	HZL	66	$3,613,800	$13,385,900

Associated City	Airport Name	FAA ID	Total Employment	Total Payroll	Total Output
Honesdale	Cherry Ridge Airport	N30	17	$762,200	$2,335,100
Horsham	Horsham Valley Airways Heliport	N48	0	$3,100	$15,900
Indiana	Indiana Co./Jimmy Stewart Field	IDI	16	$665,200	$1,801,400
Irwin	Inter County Airport	31D	0	$6,200	$31,900
Jeannette	Greensburg-Jeannette Regional Airport	5G8	0	$8,000	$39,100
Jersey Shore	Jersey Shore Airport	P96	0	$6,500	$32,900
Kralltown	Bermudian Valley Airpark	07N	1	$33,500	$141,100
Lebanon	Keller Brothers Airport	08N	1	$49,000	$147,800
Lehighton	Beltzville Airport	14N	0	$6,300	$32,200
Lehighton	Jake Arner Memorial Airport	22N	43	$2,665,000	$7,961,300
Lock Haven	William T. Piper Memorial Airport	LHV	77	$4,487,200	$13,113,700
Meadville	Port Meadville Airport	GKJ	38	$2,210,900	$6,418,600
Mifflintown	Mifflintown Airport	P34	0	$21,200	$90,300
Monongahela	Rostraver Airport	FWQ	144	$9,669,500	$27,204,800
Morgantown	Morgantown Airport	O03	4	$240,300	$634,100
Mount Joy/Marietta	Donegal Springs Airpark	N71	25	$1,396,500	$3,631,600
Mount Pleasant	Mount Pleasant/Scottdale Airport	P45	2	$114,000	$291,400
Mount Pleasant	W.P.H.S. Heliport	P99	107	$6,869,500	$18,276,200
Mount Pocono	Pocono Mountains Municipal Airport	MPO	86	$4,115,900	$12,164,300
Myerstown	Deck Airport	9D4	15	$827,800	$2,218,500
New Castle	New Castle Municipal Airport	UCP	37	$1,631,000	$5,760,900
Palmyra	Reigle Field Airport	58N	13	$321,500	$965,200
Perkasie	Pennridge Airport	CKZ	46	$2,667,300	$7,565,800
Philadelphia	Northeast Philadelphia Airport	PNE	4,097	$302,395,800	$973,966,300
Philadelphia	Wings Field Airport	LOM	317	$13,344,400	$56,995,400
Philadelphia	Penn's Landing Heliport	P72	58	$7,850,700	$15,758,100
Philipsburg	Mid-State Airport	PSB	7	$524,100	$1,169,400
Philipsburg	Albert Airport	1N3	2	$169,600	$375,500
Pittsburgh	Allegheny County Airport	AGC	785	$50,443,100	$136,293,100
Pittsburgh	Pittsburgh Northeast Airport	9G1	6	$403,400	$983,400
Pittsfield	Brokenstraw Airport	P15	2	$151,300	$374,300
Pottstown	Heritage Field	PTW	19	$1,038,600	$2,570,200
Pottstown	Pottstown Municipal Airport	N47	63	$3,513,300	$9,197,900
Pottsville	Schuylkill Co./Joe Zerbey Airport	ZER	133	$9,091,100	$21,620,400
Punxsutawney	Punxsutawney Municipal Airport	N35	6	$296,300	$805,400
Quakertown	Quakertown Airport	UKT	38	$2,032,400	$5,864,500
Reading	Reading Regional/Carl A. Spaatz Field	RDG	441	$26,136,400	$77,984,700
Reedsville	Mifflin County Airport	RVL	16	$691,400	$1,927,400
Selinsgrove	Penn Valley Airport	SEG	67	$4,812,100	$11,032,500
Shamokin	Northumberland County Airport	N79	5	$248,300	$914,700
Slatington	Slatington Airport	69N	4	$246,300	$651,900
Smoketown	Smoketown Airport	S37	26	$1,516,800	$4,330,900
Somerset	Somerset County Airport	2G9	19	$842,600	$2,456,300
St Marys	St. Marys Municipal Airport	OYM	14	$833,800	$2,108,700
Sterling	Spring Hill Airport	70N	2	$153,500	$361,100
Stewartstown	Shoestring Aviation Airfield	0P2	0	$7,700	$28,300
Sunbury	Sunbury Airport	71N	6	$239,000	$503,200
Sunbury	Sunbury Seaplane Base	H11	0	$3,100	$15,900
Titusville	Titusville Airport	6G1	6	$292,500	$773,500
Toughkenamon	New Garden Flying Field Airport	N57	70	$4,061,500	$10,758,900
Towanda	Bradford County Airport	N27	40	$1,711,800	$5,100,500
Tower City	Bendigo Airport	74N	0	$28,700	$90,300
Tunkhannock	Skyhaven Airport	76N	32	$2,059,100	$5,006,500
Unionville	Ridge Soaring Gliderport	79N	2	$81,800	$235,100
Washington	Washington County Airport	AFJ	338	$19,020,400	$56,467,400
Waynesburg	Greene County Airport	WAY	19	$392,600	$1,264,000
Wellsboro	Wellsboro Johnston Airport	N38	3	$153,000	$506,300
Wellsville	Kampel Airport	2N5	0	$6,100	$31,800
West Chester	Brandywine Airport	OQN	77	$3,495,000	$10,725,100
Wilkes-Barre	Wilkes-Barre Wyoming Valley Airport	WBW	9	$456,200	$1,270,700
Williamsburg	Cove Valley Airport	6G6	0	$6,300	$32,300
York	York Airport	THV	77	$4,506,500	$12,765,100
Zelienople	Zelienople Municipal Airport	PJC	152	$9,860,000	$33,202,600
Total Statewide Airport-Only Impacts			**218,203**	**$12,038,553,600**	**$32,973,921,700**

*The impacts presented in this table represent only airport-specific impacts and do not include impacts related to off-airport businesses near PIT and PHL.

2019 IMPACTS BY AIRPORT

Associated City	Airport Name	FAA ID	Total Employment	Total Payroll	Total Output
Commercial Service Airports					
Allentown	Lehigh Valley International Airport	ABE	2,837	$147,749,875	$354,805,953
Altoona	Altoona-Blair County Airport	AOO	134	$9,373,604	$18,118,270
Bradford	Bradford Regional Airport	BFD	61	$4,033,106	$10,000,965
DuBois	DuBois Regional Airport	DUJ	132	$9,639,196	$28,973,145
Erie	Erie Intl./Tom Ridge Field	ERI	539	$33,334,446	$86,556,479
Harrisburg	Harrisburg International Airport	MDT	4,420	$253,073,106	$582,503,462
Johnstown	John Murtha Johnston-Cambria County Airport	JST	468	$33,813,575	$72,649,442
Lancaster	Lancaster Airport	LNS	534	$34,505,629	$78,310,004
Latrobe	Arnold Palmer Regional Airport	LBE	899	$44,103,638	$101,577,362
Philadelphia	Philadelphia International Airport	PHL	68,909	$4,054,377,947	$9,009,646,418
Pittsburgh	Pittsburgh International Airport	PIT	18,415	$1,124,549,443	$2,579,883,228
State College	University Park Airport	UNV	936	$56,310,849	$133,451,170
Wilkes-Barre/ Scranton	Wilkes-Barre/Scranton International Airport	AVP	1,059	$58,172,406	$157,888,844
Williamsport	Williamsport Regional Airport	IPT	195	$11,424,585	$32,403,581
General Aviation Airports					
Allentown	Allentown Queen City Municipal Airport	XLL	47	$2,224,197	$5,826,653
Bally	Butter Valley Golfport	7N8	2	$132,611	$287,913
Beaver Falls	Beaver County Airport	BVI	133	$6,627,962	$15,940,704
Bedford	Bedford County Airport	HMZ	47	$2,893,168	$5,853,084
Bellefonte	Bellefonte Airport	N96	13	$861,464	$1,436,554
Bensalem	Total RF Heliport	00A	0	$3,354	$13,261
Bethel	Grimes Airport	8N1	3	$75,564	$278,000
Bloomsburg	Bloomsburg Municipal Airport	N13	31	$1,663,471	$3,781,330
Breezewood	Greater Breezewood Regional	P17	0	$24,020	$71,101
Brogue	Baublitz Commercial Airport	9W8	2	$166,244	$407,334
Butler	Pittsburg-Butler Regional Airport	BTP	2	$73,338	$226,346
Butler	Butler Farm Show Airport	3G9	174	$9,745,089	$20,818,828
Canadensis	Flying Dollar Airport	8N4	1	$11,790	$115,344
Carlisle	Carlisle Airport	N94	25	$1,335,648	$2,696,782
Centre Hall	Centre Airpark	N16	0	$16,406	$53,736
Centre Hall	Penn's Cave Airport	N74	0	$27,741	$85,961
Chambersburg	Franklin County Regional Airport	N68	19	$1,051,053	$2,554,680
Clarion	Clarion County Airport	AXQ	39	$2,258,591	$5,099,901
Clearfield	Clearfield-Lawrence Airport	FIG	7	$236,778	$827,231
Coatesville	Chester County G.O. Carlson Airport	MQS	214	$12,119,963	$24,904,266
Connellsville	Joseph A. Hardy Connellsville Airport	VVS	172	$7,919,787	$37,006,073
Corry	Corry-Lawrence Airport	8G2	22	$1,167,812	$2,917,409
Cresco	Rocky Hill Ultralight Airport	48P	0	$2,587	$11,564
Danville	Danville Airport	8N8	7	$301,533	$883,551
Dover	Lazy B Ranch Airport	0P8	0	$6,389	$30,795
Doylestown	Doylestown Airport	DYL	58	$2,197,461	$9,559,989
East Stroudsburg	Stroudsburg-Pocono Airport	N53	8	$353,697	$833,947
Easton	Braden Airpark	N43	16	$918,200	$1,792,870
Ebensburg	Ebensburg Airport	9G8	3	$99,548	$403,566
Eighty Four	Bandel Airport	22D	1	$31,815	$68,110
Erie	Thermal-G Gliderport	03G	0	$4,020	$15,578
Erwinna	Van Sant Airport	9N1	15	$774,904	$1,942,839
Essington	Philadelphia Seaplane Base	9N2	0	$1,946	$9,979
Factoryville	Seamans Airport	9N3	7	$349,553	$905,934
Fairfield	Mid Atlantic Soaring Center	W73	1	$53,588	$267,073
Finleyville	Finleyville Airpark	G05	7	$306,085	$948,125
Franklin	Venango Regional Airport	FKL	25	$1,183,533	$2,751,133
Fredericksburg	Farmers Pride Airport	9N7	3	$177,704	$454,477
Freeport	McVille Airport	6P7	12	$419,287	$793,819
Germansville	Flying M Aerodrome	P91	1	$35,132	$128,502
Gettysburg	Gettysburg Regional Airport	W05	10	$625,940	$1,553,864
Greenville	Greenville Municipal Airport	4G1	6	$315,917	$751,704
Grove City	Grove City Airport	29D	114	$6,733,899	$15,776,383
Harrisburg	Capital City Airport	CXY	321	$19,426,427	$56,077,251
Hazleton	Hazleton Regional Airport	HZL	89	$7,936,104	$16,422,766

Associated City	Airport Name	FAA ID	Total Employment	Total Payroll	Total Output
Honesdale	Cherry Ridge Airport	N30	11	$461,528	$1,178,516
Horsham	Horsham Valley Airways Heliport	N48	0	$1,946	$9,979
Indiana	Indiana Co./Jimmy Stewart Field	IDI	13	$477,249	$1,243,073
Irwin	Inter County Airport	31D	0	$4,409	$22,289
Jeannette	Greensburg-Jeannette Regional Airport	5G8	0	$22,125	$102,995
Jersey Shore	Jersey Shore Airport	P96	0	$4,202	$20,739
Kralltown	Bermudian Valley Airpark	07N	1	$29,796	$125,521
Lebanon	Keller Brothers Airport	08N	1	$38,295	$106,639
Lehighton	Beltzville Airport	14N	0	$5,004	$22,844
Lehighton	Jake Arner Memorial Airport	22N	42	$2,921,012	$6,518,165
Lock Haven	William T. Piper Memorial Airport	LHV	65	$3,709,333	$9,717,353
Meadville	Port Meadville Airport	GKJ	34	$2,102,789	$5,078,536
Mifflintown	Mifflintown Airport	P34	0	$14,216	$63,441
Monongahela	Rostraver Airport	FWQ	125	$9,026,774	$20,556,441
Morgantown	Morgantown Airport	O03	3	$228,801	$400,554
Mount Joy/Marietta	Donegal Springs Airpark	N71	23	$1,317,038	$3,112,807
Mount Pleasant	Mount Pleasant/Scottdale Airport	P45	1	$8,576	$92,265
Mount Pleasant	W.P.H.S. Heliport	P99	95	$6,427,128	$14,942,618
Mount Pocono	Pocono Mountains Municipal Airport	MPO	62	$2,677,790	$7,318,663
Myerstown	Deck Airport	9D4	13	$850,841	$1,864,853
New Castle	New Castle Municipal Airport	UCP	29	$1,206,366	$3,860,689
Palmyra	Reigle Field Airport	58N	11	$233,245	$724,113
Perkasie	Pennridge Airport	CKZ	37	$2,091,334	$4,797,300
Philadelphia	Northeast Philadelphia Airport	PNE	3,530	$302,479,637	$888,945,283
Philadelphia	Wings Field Airport	LOM	266	$10,388,121	$33,589,497
Philadelphia	Penn's Landing Heliport	P72	49	$7,582,654	$12,176,502
Philipsburg	Mid-State Airport	PSB	5	$355,043	$578,779
Philipsburg	Albert Airport	1N3	2	$114,549	$183,284
Pittsburgh	Allegheny County Airport	AGC	608	$41,208,747	$95,713,869
Pittsburgh	Pittsburgh Northeast Airport	9G1	5	$334,924	$547,001
Pittsfield	Brokenstraw Airport	P15	2	$119,817	$218,455
Pottstown	Heritage Field	PTW	15	$900,515	$2,133,917
Pottstown	Pottstown Municipal Airport	N47	64	$3,654,544	$6,627,218
Pottsville	Schuylkill Co./Joe Zerbey Airport	ZER	152	$11,331,341	$27,749,953
Punxsutawney	Punxsutawney Municipal Airport	N35	6	$285,983	$689,309
Quakertown	Quakertown Airport	UKT	57	$3,339,610	$7,749,880
Reading	Reading Regional/Carl A. Spaatz Field	RDG	335	$23,419,583	$53,709,418
Reedsville	Mifflin County Airport	RVL	13	$565,762	$1,508,254
Selinsgrove	Penn Valley Airport	SEG	53	$3,137,816	$7,012,658
Shamokin	Northumberland County Airport	N79	5	$265,280	$929,562
Slatington	Slatington Airport	69N	3	$234,201	$416,075
Smoketown	Smoketown Airport	S37	29	$2,078,481	$4,322,146
Somerset	Somerset County Airport	2G9	17	$717,946	$2,029,116
St Marys	St. Marys Municipal Airport	OYM	12	$638,647	$1,427,767
Sterling	Spring Hill Airport	70N	1	$15,743	$115,167
Stewartstown	Shoestring Aviation Airfield	0P2	0	$5,599	$19,074
Sunbury	Sunbury Airport	71N	5	$113,663	$205,681
Sunbury	Sunbury Seaplane Base	H11	0	$1,946	$9,979
Titusville	Titusville Airport	6G1	6	$358,018	$914,986
Toughkenamon	New Garden Flying Field Airport	N57	44	$2,440,271	$5,533,876
Towanda	Bradford County Airport	N27	37	$1,695,227	$4,754,558
Tower City	Bendigo Airport	74N	0	$11,843	$45,179
Tunkhannock	Skyhaven Airport	76N	26	$1,547,275	$2,971,370
Unionville	Ridge Soaring Gliderport	79N	2	$62,544	$163,822
Washington	Washington County Airport	AFJ	265	$16,383,663	$36,207,669
Waynesburg	Greene County Airport	WAY	19	$381,245	$1,222,978
Wellsboro	Wellsboro Johnston Airport	N38	4	$175,511	$551,358
Wellsville	Kampel Airport	2N5	0	$4,671	$23,950
West Chester	Brandywine Airport	OQN	65	$3,191,083	$7,923,081
Wilkes-Barre	Wilkes-Barre Wyoming Valley Airport	WBW	4	$185,152	$505,564
Williamsburg	Cove Valley Airport	6G6	0	$4,372	$22,185
York	York Airport	THV	67	$4,370,352	$10,725,937
Zelienople	Zelienople Municipal Airport	PJC	142	$10,381,662	$23,253,508
Total Statewide Airport-Only Impacts			**107,673**	**$6,455,695,565**	**$14,815,662,890**

*The impacts presented in this table represent only airport-specific impacts and do not include impacts related to off-airport businesses near PIT and PHL.

Note: *The totals presented are exclusive to this brochure and do not add up to any other PA AEIS deliverables.*

2020 IMPACTS BY AIRPORT

Aviation System's Qualitative Impacts

Beyond the economic contribution by Commonwealth airports, these facilities also support critical operations that enhance the quality of life for Pennsylvania residents and visitors alike. These operations vary from providing community service, to educational opportunities, to disaster and emergency response. A few of these activities are highlighted below.

Aerospace Development

The aerospace industry has deep roots in the Philadelphia region, where helicopters and associated parts are manufactured for military and civilian customers, including by several large companies, including Boeing Rotorcraft Systems, Lockheed Martin, and Leonardo Helicopters US. Boeing's Ridley Park site alone employed over 4,600 workers as of 2020.[1]

Air Ambulance

Air ambulances are used to quickly transport patients in life-threatening situations. These services have grown significantly in recent decades, owing potentially to an aging population, a decline in the number of emergency departments in existing hospitals, and changes to rural health care delivery.[2] Seventy percent of study airports reported experiencing at least occasional air ambulance operations at their facilities.[3]

Aircraft Maintenance and Repair

High-quality and easily accessible aircraft maintenance is critical to the safety, security, and efficiency of aircraft. Pennsylvania's airports serve as a base for many businesses that provide aircraft maintenance, repair, refinishing, and refueling services that keep aircraft flying safe. Pennsylvania is home to a highly skilled and specialized workforce of technicians and engineers that are employed at these businesses. This workforce and associated businesses are supported by Act 52 passed by the General Assembly of the Commonwealth of Pennsylvania in 2013 which made the sale of aircraft parts and components and aircraft services exempt from state sales tax. This has allowed this segment of the aviation industry to be highly competitive with surrounding states, many of which also provide tax exemptions.

Pennsylvania Uncrewed Aerial Systems (UAS) Usage

UAS (or drones) are a rapidly growing segment of the aviation industry. UAS are defined as a powered aircraft and all of the associated support equipment, control station, data links, telemetry, communications, and navigation equipment necessary to operate it.[4] UAS are operated remotely with no pilot on board. According to the FAA, there are nearly 900,000 drones registered in the U.S., including over 300,000 drones used for commercial purposes. Nationally, there are over 250,000 certified remote pilots, with approximately 7,000 in Pennsylvania.[5] As part of the 2022 PA AEIS, a special assessment of the industries that use UAS in the state was conducted to better understand how and where UAS are being used. A total of 25 industries were identified, a few of which are highlighted below.

Education

Higher education institutions in the state are on the cutting edge of technological advancements, including UAS. These entities support UAS-related research, provide opportunities for UAS pilot certification, and develop solutions for UAS advancement.

Mining

UAS technology is advancing the way precious stones, metals, and more are being mined. Rather than miners surveying potentially dangerous underground environments on foot before beginning work, UAS can now map out entire mining systems underground in a day or less.

Public Safety

UAS are being deployed across Pennsylvania to maintain and enhance the social and public good. This includes search and rescue missions, monitoring large venues and parks, and surveying potentially dangerous areas.

1. Burkholder, Sophie (2020). Boeing's Ridley Park plant receives $265M contract from Pentagon for 9 Chinook helicopters. The Philadelphia Inquirer. 2. National Association of Insurance Commissioners (NAIC), "Air Ambulances" 3. Pennsylvania Department of Transportation, Bureau of Aviation, Aviation Economic Impact Study findings from Airport Manager Survey 4. Center for Unmanned Aircraft Systems in Public Safety, "What is UAS?" 5. Federal Aviation Administration, "UAS by the Numbers."