



JANUARY 2020



# 2018 AIRCRAFT OPERATIONS COUNTING PROGRAM

**DOYLESTOWN**

**HERITAGE FIELD**

**POTTSTOWN  
MUNICIPAL**

**QUAKERTOWN**

03-42-0125-018-2017



**The Delaware Valley Regional Planning Commission** is the federally designated Metropolitan Planning Organization for a diverse nine-county region in two states: Bucks, Chester, Delaware, Montgomery, and Philadelphia in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer in New Jersey.



**DVRPC's vision** for the Greater Philadelphia Region is a prosperous, innovative, equitable, resilient, and sustainable region that increases mobility choices by investing in a safe and modern transportation system; that protects and preserves our natural resources while creating healthy communities; and that fosters greater opportunities for all.

**DVRPC's mission** is to achieve this vision by convening the widest array of partners to inform and facilitate data-driven decision-making. We are engaged across the region, and strive to be leaders and innovators, exploring new ideas and creating best practices.

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## Executive Summary

The Delaware Valley Regional Planning Commission (DVRPC) has conducted aircraft operations counts at the non-towered airports in the 12-county, four-state Delaware Valley Regional Airport System Plan area (RASP) since 1986 (see Figure ES-1). In 2017, the Federal Aviation Administration (FAA) continued funding this program to include four of the 20 non-towered facilities (all general aviation airports and all reliever airports except Northeast Philadelphia are non-towered). From January 2018 to December 2018, the following airports were surveyed: Doylestown (DYL), Heritage Field (PTW), Pottstown (N47), and Quakertown (UKT).

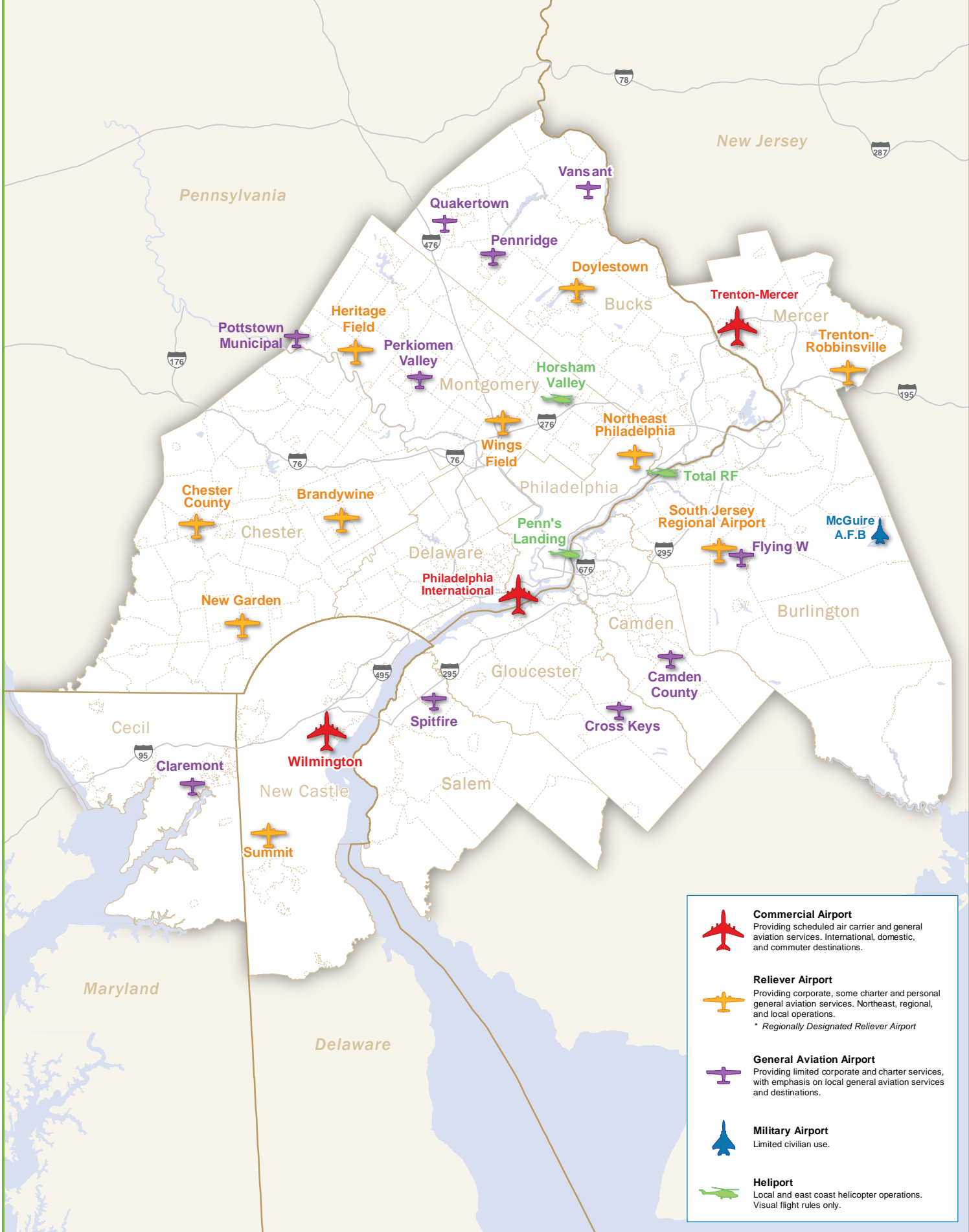
This report provides operations estimates based on observations conducted using acoustical counting equipment deployed to monitor takeoff data at each airport. The data collection covers eight weeks apportioned throughout the year. This data is reviewed and compiled into Airport Activity Reports. From these reports the DVRPC projects seasonal and annual takeoff and landing totals for each of the surveyed airports.

In the 2018 counting period, there were 105,473 annual aircraft operations estimated for the four regional airports surveyed. The DVRPC report for the same four airports in the previous counting programs had 101,732 annual aircraft operations, which indicates only a moderate (4 percent) change in total operations over the previous periods although the changes were more significant at individual airports.

Historically DVRPC has counted airports in three fixed sets of airports, cycling one set each year in a series. Each counting period could have an airport counted out of sequence, at the request of our sponsors, but this rarely occurred and the airport selected usually went back into its normal sequence for the next count. However, with the change in the FAA only funding the counting of National Plan of Integrated Airport Systems airports, we have had to drop the counting of many of our RASP airports and reset the counting sequence for the remaining airports. This has resulted in the current count cycle having different years of historic comparison for the various airports.

Historic counting data since 1986 is available through the DVRPC Freight and Aviation Programs website at [www.dvrpc.org/Aviation/AircraftTrafficCounts](http://www.dvrpc.org/Aviation/AircraftTrafficCounts).

Figure ES-1: Delaware Valley Regional Airport System



	<b>Commercial Airport</b> Providing scheduled air carrier and general aviation services. International, domestic, and commuter destinations.
	<b>Reliever Airport</b> Providing corporate, some charter and personal general aviation services. Northeast, regional, and local operations. <i>* Regionally Designated Reliever Airport</i>
	<b>General Aviation Airport</b> Providing limited corporate and charter services, with emphasis on local general aviation services and destinations.
	<b>Military Airport</b> Limited civilian use.
	<b>Heliport</b> Local and east coast helicopter operations. Visual flight rules only.



## Annual Operations Summaries

As an integral part of its ongoing aviation planning efforts, DVRPC has conducted aircraft operations counts at non-towered airports in the region since 1986. In 2017, the FAA continued funding this program to include four of the 20 DVRPC RASP facilities. From January 2018 to December 2018, the following airports were surveyed: Doylestown (DYL), Heritage Field (PTW), Pottstown (N47), and Quakertown (UKT).

The Annual Operations Summaries provide tabular and graphical displays of annual aircraft operations for fixed-wing aircraft, helicopters, and their combined totals (see pp. 4–6). The data is projected based on the daily flight counts collected during eight one-week sampling periods throughout the year.

The following procedure is applied to all counts during the entire program. Eight one-week counting surveys are taken over the course of one year. These counting surveys are scheduled twice each season at four- to six-week intervals for each airport. At the start of each interval, a DVRPC staff member selects a location near the airport runway to base the acoustical counting device. For the winter and spring surveys an LDL 820 Sound Level Meter was utilized. For the summer and fall surveys, a Wilderness Systems Aircraft Detection Systems (ADS) 3000 was utilized. The ADS sensor is activated by a predefined minimum noise level that occurs during aircraft takeoff activity; it stores the data, and the staff member retrieves the meter after the survey period.

After equipment retrieval, the data from the LDL 820 is downloaded to the Aircraft Counting System software and then checked manually for event-related errors. The Aircraft Counting System report displays weekly aircraft takeoffs (since most propeller landings are nearly silent) by hour and day for each week counted. Data collected by the ADS 3000 are quality checked based on the reported duration and amplitude; imported into the DVRPC aviation data system, and takeoff reports by hour and day are produced, matching the outputs of the LDL Aircraft Counting System. Finally, the data is entered into and extrapolated by DVRPC counting formulas, which estimate seasonal and annual total takeoffs and landings.

In the 2018 counting period, there were 105,473 annual aircraft operations estimated for the four regional airports surveyed. The DVRPC report for the same four airports in the previous counting programs had 101,732 annual aircraft operations, which indicates only a moderate (4 percent) change in total operations over the previous periods although the changes were more significant at individual airports.

## Annual Aircraft Operations

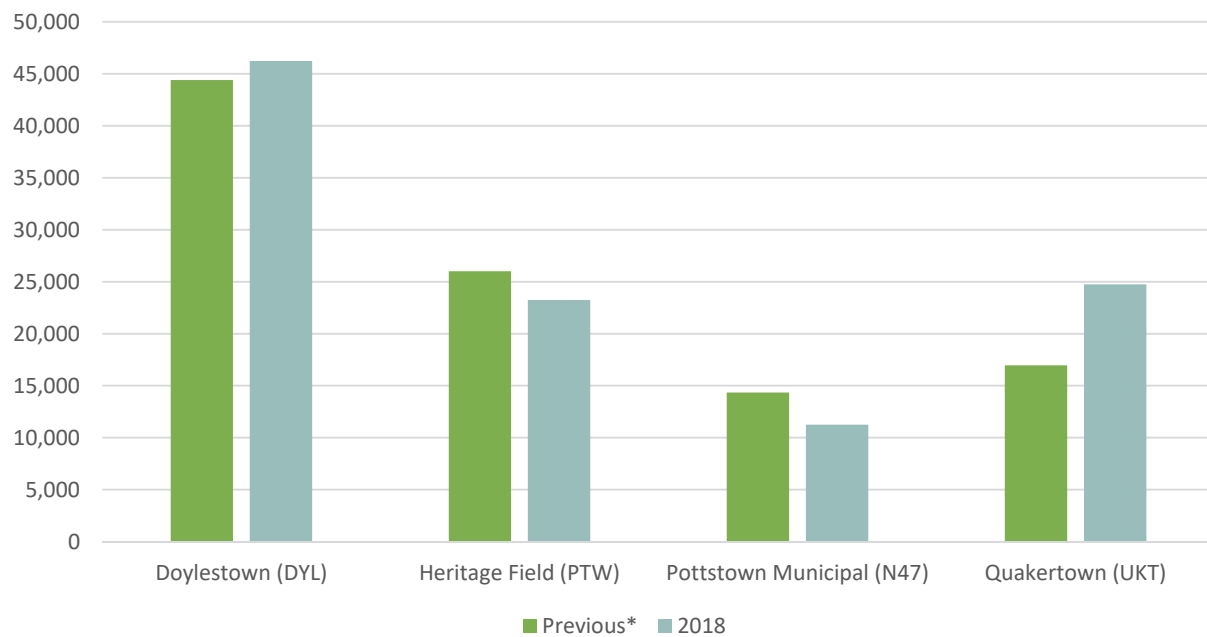
**Table 1: Annual Aircraft Operations Previous Count versus 2018 Count**

Airport	Previous Operations*	2018 Operations	Absolute Change	Percentage Change
Doylestown (DYL)	44,404	46,237	1,833	4%
Heritage Field (PTW)	26,017	23,237	-2,780	-11%
Pottstown Municipal (N47)	14,348	11,256	-3,092	-22%
Quakertown (UKT)	16,963	24,743	7,780	46%
<b>Total Operations</b>	<b>101,732</b>	<b>105,473</b>	<b>3,741</b>	<b>4%</b>

Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.

**Figure 1: Annual Aircraft Operations Previous Count versus 2018 Count**



Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.



## Annual Fixed-Wing Operations

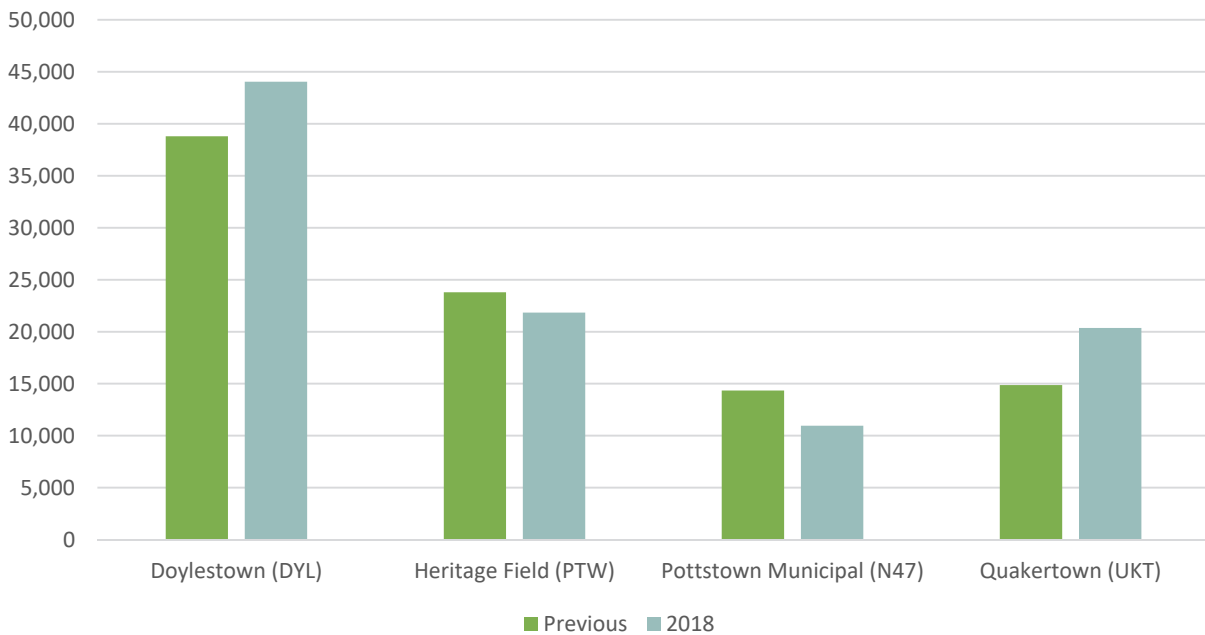
**Table 2: Annual Fixed-Wing Operations Previous Count versus 2018 Count**

Airport	Previous Operations*	2018 Operations	Absolute Change	Percentage Change
Doylestown (DYL)	38,804	44,047	5,243	14%
Heritage Field (PTW)	23,793	21,837	-1,956	-8%
Pottstown Municipal (N47)	14,348	10,956	-3,392	-24%
Quakertown (UKT)	14,863	20,363	5,500	37%
<b>Total Operations</b>	<b>91,808</b>	<b>97,203</b>	<b>5,395</b>	<b>6%</b>

Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.

**Figure 2: Annual Fixed-Wing Operations Previous Count versus 2018 Count**



Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.

## Annual Helicopter Operations

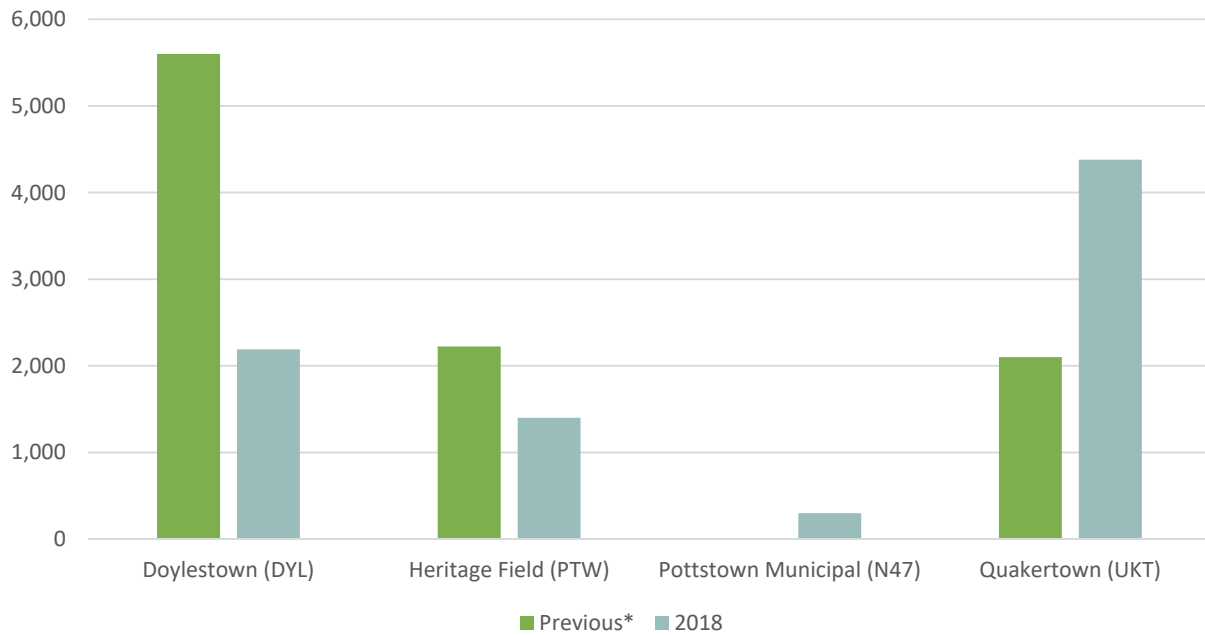
**Table 3: Annual Helicopter Operations Previous Count versus 2018 Count**

Airport	Previous Operations*	2018 Operations	Absolute Change	Percentage Change
Doylestown (DYL)	5,600	2,190	-3,410	-61%
Heritage Field (PTW)	2,224	1,400	-824	-37%
Pottstown Municipal (N47)	0	300	300	-
Quakertown (UKT)	2,100	4,380	2,280	109%
<b>Total Operations</b>	<b>9,924</b>	<b>8,270</b>	<b>-1,654</b>	<b>-17%</b>

Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.

**Figure 3: Annual Helicopter Operations Previous Count versus 2018 Count**



Source: DVRPC

\* Previous operations period for DYL, PTW, N47 is 2015; and for UKT is 2016.

## Airport Activity Reports

This section of the report displays the weekly activity data collected during the eight one-week counting surveys conducted for each of the five individual airports. Each airport summary provides a brief narrative along with an inventory of based aircraft. The based aircraft data is provided by airport management. When DVRPC has been unable to obtain this information directly from airport management, we have used data from FAA Form 5010, Airport Master Record, available on AirNav.com for the particular airport.

Airport activity summaries list estimated annual flight operations and a seasonal operations chart. Daily takeoffs collected from each airport are displayed in spreadsheet format by season, date, and time of day. All weekly activity data pages express only aircraft takeoffs and do not include the landing phase of flight due to the near silence of propeller landings. At the bottom of each weekly activity data page, subtotals of aircraft activity are also expressed as takeoffs only. In the activity summary, at the beginning of each Airport Activity Report, takeoffs are converted into estimated annual and seasonal operations, which include takeoffs and landings by the DVRPC counting software.

Helicopter data is not collected by the Acoustic Counter Software devices but is prorated from the annual estimate given by the airport operator at the completion of the counting cycle, and it is only expressed as a subtotal for each day.

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## Doylestown Airport (DYL)

### Bucks County

Runway Orientation: 05/23

### Doylestown, PA 18901

Runway Length: 3,004 ft.

**Table 4: Doylestown Airport (DYL) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	142
Multi-Engine	13
Jet	0
Helicopter	3
Glider	0
<b>Total</b>	<b>158</b>

*Source: AirNav.com, 2018*

Doylestown Airport is a public use airport owned by the Bucks County Airport Authority. The airport is located in Buckingham Township in Bucks County, Pennsylvania, east of Doylestown, and is equipped with hangars, tie-downs, and a terminal building. Leading Edge Aviation, Inc. is the fixed base operator at the airport, providing maintenance, fuel, charter services, flight school, and aircraft rentals.

Doylestown Airport had an estimated 46,237 total operations during the 2018 counting cycle, a 4 percent increase over the previous cycle in 2015. Despite a decrease in reported based aircraft, fixed-wing operations grew by over 5,000 or 14 percent. This continues a trend of growth in operations at Doylestown Airport.



Figure 4: Doylestown Airport (DYL) Aerial Photo





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## DVRPC Aircraft Counting Program

Airport: Doylestown Airport (DYL)

County: Bucks County, PA

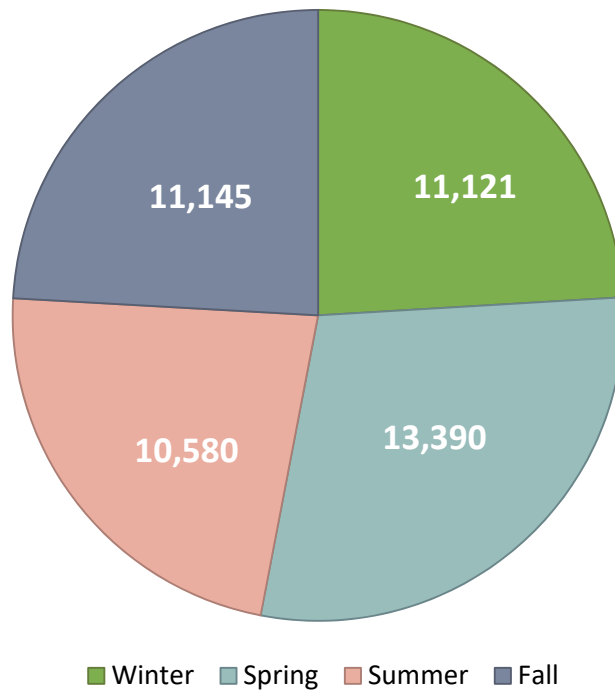
**Table 5: Doylestown Airport (DYL) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Winter	2018	124	11,121	24%
Spring	2018	147	13,390	29%
Summer	2018	115	10,580	23%
Fall	2018	121	11,145	24%
<b>Annual Operations</b>	<b>2018</b>		<b>46,237</b>	

**Margin of Error: 21 at 95 percent confidence**

Source: DVRPC

**Figure 5: Doylestown Airport (DYL) Seasonal Summary**



Source: DVRPC

**DYL–Doylestown Airport**

**January 31, 2018 to February 08, 2018**

**Winter I 2018**

Weekly Activity Report

	Wed 31-Jan	Thu 1-Feb	Fri 2-Feb	Sat 3-Feb	Sun 4-Feb	Mon 5-Feb	Tue 6-Feb
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	1	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	-	-	9	-	-	-
8 AM	2	1	-	3	1	2	-
9 AM	7	3	1	9	8	-	3
10 AM	18	6	1	2	14	-	8
11 AM	2	10	1	8	1	1	10
12 PM	8	2	-	12	-	2	-
1 PM	7	6	-	32	-	-	10
2 PM	13	3	-	25	-	-	4
3 PM	19	6	1	13	-	2	-
4 PM	12	1	-	7	-	1	-
5 PM	7	2	-	4	-	4	-
6 PM	6	1	-	2	-	2	-
7 PM	-	-	-	1	-	4	-
8 PM	1	-	-	-	-	-	-
9 PM	-	-	-	1	-	-	-
10 PM	-	-	-	-	2	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	106	44	7	131	29	21	38

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	355

**Total Aircraft Takeoffs 376**

Source: DVRPC

**DYL–Doylestown Airport**

**March 18, 2018 to March 24, 2018**

**Winter II 2018**

**Weekly Activity Report**

	Sun 18-Mar	Mon 19-Mar	Tue 20-Mar	Wed 21-Mar	Thu 22-Mar	Fri 23-Mar	Sat 24-Mar
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	1	-	-	-	-	1	11
7 AM	3	7	-	-	-	4	13
8 AM	12	5	2	-	-	2	6
9 AM	10	21	-	2	-	2	25
10 AM	14	15	-	6	1	3	9
11 AM	22	14	-	-	1	6	7
12 PM	14	7	-	10	1	8	8
1 PM	12	13	-	-	2	8	15
2 PM	3	16	-	5	1	5	11
3 PM	7	17	-	-	-	4	1
4 PM	7	23	-	-	-	6	6
5 PM	8	9	-	-	3	-	1
6 PM	3	2	1	-	-	-	1
7 PM	-	-	-	-	-	-	1
8 PM	1	1	-	-	-	1	1
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	120	153	6	26	12	53	119

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	468

**Total Aircraft Takeoffs 489**

Source: DVRPC

**DYL–Doylestown Airport**

**April 20, 2018 to April 26, 2018**

**Spring I 2018**

Weekly Activity Report

	Fri 20-Apr	Sat 21-Apr	Sun 22-Apr	Mon 23-Apr	Tue 24-Apr	Wed 25-Apr	Thu 26-Apr
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	1	-	1	-	-	-
6 AM	-	-	1	7	-	-	-
7 AM	-	8	5	13	2	-	9
8 AM	-	11	9	6	7	-	13
9 AM	-	12	10	4	6	-	12
10 AM	1	7	12	3	5	-	5
11 AM	3	12	8	12	-	-	4
12 PM	2	7	11	10	2	-	3
1 PM	5	13	12	10	-	-	4
2 PM	11	8	6	7	-	-	4
3 PM	1	11	7	12	1	-	1
4 PM	1	6	6	7	2	1	4
5 PM	1	9	10	5	-	1	5
6 PM	-	8	7	9	1	-	7
7 PM	1	-	8	10	5	-	7
8 PM	1	1	1	-	1	-	9
9 PM	-	-	0	1	-	-	1
10 PM	-	-	-	-	-	-	0
11 PM	-	1	0	-	-	-	0
Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	30	118	116	120	35	5	91

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	494

**Total Aircraft Takeoffs 515**

Source: DVRPC

\* Due to equipment failure in the spring of 2018, the estimates for Doylestown utilize the observations gathered in the period of April 20-26, 2018 for both Spring I and II.

**DYL–Doylestown Airport**

**April 20, 2018 to April 26, 2018**

**Spring II 2018**

Weekly Activity Report

	Fri 20-Apr	Sat 21-Apr	Sun 22-Apr	Mon 23-Apr	Tue 24-Apr	Wed 25-Apr	Thu 26-Apr
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	1	-	1	-	-	-
6 AM	-	-	1	7	-	-	-
7 AM	-	8	5	13	2	-	9
8 AM	-	11	9	6	7	-	13
9 AM	-	12	10	4	6	-	12
10 AM	1	7	12	3	5	-	5
11 AM	3	12	8	12	-	-	4
12 PM	2	7	11	10	2	-	3
1 PM	5	13	12	10	-	-	4
2 PM	11	8	6	7	-	-	4
3 PM	1	11	7	12	1	-	1
4 PM	1	6	6	7	2	1	4
5 PM	1	9	10	5	-	1	5
6 PM	-	8	7	9	1	-	7
7 PM	1	-	8	10	5	-	7
8 PM	1	1	1	-	1	-	9
9 PM	-	-	0	1	-	-	1
10 PM	-	-	-	-	-	-	0
11 PM	-	1	0	-	-	-	0

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	30	118	116	120	35	5	91

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	494

**Total Aircraft Takeoffs 515**

Source: DVRPC

\* Due to equipment failure in the spring of 2018, the estimates for Doylestown utilize the observations gathered in the period of April 20-26, 2018 for both Spring I and II.

**DYL–Doylestown Airport**

**August 05, 2018 to August 11, 2018**

**Summer I 2018**

Weekly Activity Report

	Sun 5-Aug	Mon 6-Aug	Tue 7-Aug	Wed 8-Aug	Thu 9-Aug	Fri 10-Aug	Sat 11-Aug
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	1
4 AM	1	-	1	-	2	-	-
5 AM	3	2	3	-	7	3	-
6 AM	5	4	-	1	4	2	2
7 AM	3	6	-	4	5	5	3
8 AM	10	8	2	9	7	4	1
9 AM	7	7	-	4	3	3	-
10 AM	5	1	4	-	1	5	-
11 AM	7	2	1	1	6	8	1
12 PM	6	5	1	-	3	9	4
1 PM	7	3	5	-	-	4	-
2 PM	2	2	-	1	6	3	-
3 PM	3	2	3	2	4	2	-
4 PM	4	-	1	2	-	2	1
5 PM	6	-	1	-	5	-	-
6 PM	8	1	-	1	6	-	-
7 PM	-	-	-	-	7	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	1	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	80	46	25	28	69	54	16

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	297

**Total Aircraft Takeoffs 318**

Source: DVRPC



**DYL–Doylestown Airport**

**September 15, 2018 to September 21, 2018**

**Summer II 2018**

**Weekly Activity Report**

	Sat 15-Sep	Sun 16-Sep	Mon 17-Sep	Tue 18-Sep	Wed 19-Sep	Thu 20-Sep	Fri 21-Sep
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	1	-	-	-	-
5 AM	9	-	-	-	3	-	2
6 AM	16	2	2	-	11	1	2
7 AM	15	9	3	-	10	2	17
8 AM	12	25	-	-	12	-	4
9 AM	5	12	3	-	6	5	4
10 AM	4	6	-	-	9	3	5
11 AM	7	6	1	-	2	9	3
12 PM	10	8	-	1	7	6	4
1 PM	9	7	1	-	5	7	6
2 PM	-	10	-	1	-	7	4
3 PM	-	6	2	4	4	8	6
4 PM	3	18	2	7	9	10	1
5 PM	5	3	-	10	4	1	-
6 PM	-	1	-	3	7	9	-
7 PM	-	1	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	1	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	99	117	18	29	92	71	61

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	466

**Total Aircraft Takeoffs 487**

Source: DVRPC

**DYL–Doylestown Airport**

**October 13, 2018 to October 19, 2018**

**Fall I 2018**

**Weekly Activity Report**

	Sat 13-Oct	Sun 14-Oct	Mon 15-Oct	Tue 16-Oct	Wed 17-Oct	Thu 18-Oct	Fri 19-Oct
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	2	-	-
4 AM	-	-	1	-	-	-	-
5 AM	-	2	-	1	1	2	1
6 AM	2	8	1	-	5	2	10
7 AM	2	10	-	4	1	1	9
8 AM	1	11	-	8	-	5	9
9 AM	5	16	-	7	1	2	6
10 AM	2	5	1	5	-	3	13
11 AM	3	11	-	1	3	5	4
12 PM	3	10	-	5	4	-	10
1 PM	10	11	-	5	7	1	6
2 PM	18	2	-	4	6	9	15
3 PM	12	5	2	8	3	6	5
4 PM	2	4	-	2	-	5	5
5 PM	2	-	-	6	-	-	1
6 PM	-	-	-	5	2	-	-
7 PM	-	-	-	3	2	-	-
8 PM	1	-	1	2	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	66	98	9	69	40	44	97

Prorated Total Helio Activity	21
Total Fixed-Wing Activity	402

**Total Aircraft Takeoffs 423**

Source: DVRPC

**DYL–Doylestown Airport**

**November 06, 2018 to November 12, 2018**

**Fall II 2018**

**Weekly Activity Report**

	Tue 6-Nov	Wed 7-Nov	Thu 8-Nov	Fri 9-Nov	Sat 10-Nov	Sun 11-Nov	Mon 12-Nov
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	1	-	-	-
6 AM	-	2	9	2	1	6	1
7 AM	-	2	7	4	1	7	1
8 AM	-	1	11	8	-	16	4
9 AM	-	3	18	6	-	18	3
10 AM	-	9	5	3	-	14	4
11 AM	-	2	10	-	-	12	10
12 PM	-	5	9	-	-	11	3
1 PM	-	13	12	-	-	14	8
2 PM	-	8	18	-	-	10	1
3 PM	-	2	18	1	-	10	5
4 PM	-	6	12	1	-	8	4
5 PM	4	-	10	1	1	1	-
6 PM	-	1	6	-	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-
Prorated Daily Helio Activity	3	3	3	3	3	3	3
Total Daily Aircraft Takeoffs	7	57	148	30	6	130	47
Prorated Total Helio Activity	21						
Total Fixed-Wing Activity	404						
<b>Total Aircraft Takeoffs</b>	<b>425</b>						

Source: DVRPC

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## Heritage Field (PTW)

### Montgomery County

Limerick, PA 19464

Runway Orientation: 10/28

Runway Length: 3,371 ft.

**Table 6: Heritage Field (PTW) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	90
Multi-Engine	8
Jet	1
Helicopter	3
Glider	1
Ultralight	1
<b>Total</b>	<b>104</b>

*Source: AirNav.com, 2018*

Heritage Field is a privately-owned, public use airport located near Limerick in Montgomery County, Pennsylvania. The airport hosts a number of on-site businesses including fixed base operator Penn Airways. Services available at the airport include a flight school, charter operations, aviation gas and jet fueling, and maintenance; provided by Penn Airways or other tenants including FareShare and Limerick Flight Center. The facility also hosts a PennStar medevac helicopter and flight team.

During the 2018 counting cycle, Heritage Field experienced an estimated 23,237 operations, an 11 percent decrease from those observed in the 2015 counting cycle. Fixed-wing operations experienced an 8 percent decrease from 2015 to an estimated 21,837. Helicopter operations were down 37 percent with an estimated 1,400 operations. Despite a decline in operations, the rate at which operations decreased improved compared with previous cycles, primarily due to a slowing rate of decline in fixed-wing operations.

Heritage Field remains an important aviation facility in the region serving local corporate and recreational needs. Leveraging grant awards from the Pennsylvania Department of Transportation, the airport is pursuing multiple improvement projects including new corporate hangars, a new terminal building, improved taxiway access, and an access road.

Figure 6: Heritage Field (PTW) Aerial Photo





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## DVRPC Aircraft Counting Program

Airport: Heritage Field (PTW)

County: Montgomery County, PA

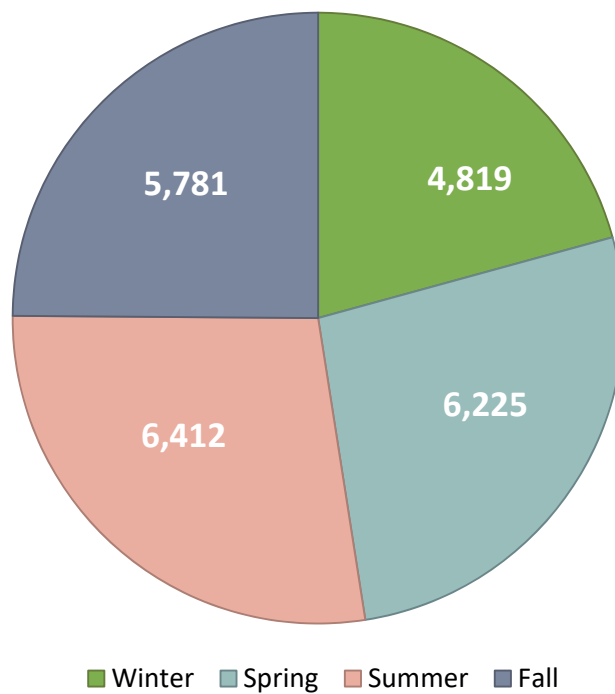
**Table 7: Heritage Field (PTW) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Winter	2018	54	4,819	21%
Spring	2018	68	6,225	27%
Summer	2018	70	6,412	28%
Fall	2018	63	5,781	25%
<b>Annual Operations</b>	<b>2018</b>		<b>23,237</b>	

**Margin of Error: 17 at 95 percent confidence**

Source: DVRPC

**Figure 7: Heritage Field (PTW) Seasonal Summary**



Source: DVRPC

**PTW–Heritage Field**

**January 26, 2018 to February 01, 2018**

**Winter I 2018**

Weekly Activity Report

	Fri 26-Jan	Sat 27-Jan	Sun 28-Jan	Mon 29-Jan	Tue 30-Jan	Wed 31-Jan	Thu 1-Feb
12 AM	-	-	-	-	-	-	-
1 AM	-	1	-	-	-	2	1
2 AM	-	-	-	-	3	-	-
3 AM	-	2	-	-	2	2	1
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	-	-	-	-	2	-
8 AM	-	5	-	-	-	1	-
9 AM	-	1	-	1	-	2	-
10 AM	2	8	-	-	-	2	1
11 AM	2	5	1	1	-	5	2
12 PM	2	4	-	6	-	2	-
1 PM	13	12	-	-	-	1	-
2 PM	-	4	-	1	-	1	1
3 PM	12	7	1	-	-	1	-
4 PM	5	3	-	3	1	-	-
5 PM	1	3	3	-	-	1	2
6 PM	-	1	4	-	-	-	-
7 PM	-	-	-	-	-	-	1
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	1	-	-
10 PM	-	-	-	1	-	-	-
11 PM	-	-	-	-	-	-	-
Prorated Daily Helio Activity	2	2	2	1	2	2	2
Total Daily Aircraft Takeoffs	39	58	11	14	9	24	11
Prorated Total Helio Activity	13						
Total Fixed-Wing Activity	153						
<b>Total Aircraft Takeoffs</b>	<b>166</b>						

Source: DVRPC

**PTW–Heritage Field**

**March 18, 2018 to March 24, 2018**

**Winter II 2018**

**Weekly Activity Report**

	Sun 18-Mar	Mon 19-Mar	Tue 20-Mar	Wed 21-Mar	Thu 22-Mar	Fri 23-Mar	Sat 24-Mar
12 AM	-	-	1	-	-	-	1
1 AM	-	-	-	3	-	1	-
2 AM	-	-	2	-	-	2	2
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	1	12	-	-	-
6 AM	-	-	-	2	-	1	-
7 AM	2	-	1	11	1	2	2
8 AM	-	2	-	3	2	1	9
9 AM	5	6	-	4	5	-	7
10 AM	2	-	-	-	-	2	-
11 AM	1	2	-	4	-	-	3
12 PM	2	1	-	-	-	-	6
1 PM	7	5	-	-	-	6	4
2 PM	11	4	1	-	1	1	7
3 PM	4	2	-	4	-	5	1
4 PM	1	3	-	2	2	1	1
5 PM	-	3	-	-	-	-	-
6 PM	-	-	-	-	-	-	-
7 PM	-	-	-	2	-	-	2
8 PM	-	-	-	-	1	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	2	2	2	1	2	2	2
Total Daily Aircraft Takeoffs	37	30	8	48	14	24	47

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	195

**Total Aircraft Takeoffs 208**

Source: DVRPC

**PTW–Heritage Field**

**April 20, 2018 to April 26, 2018**

**Spring I 2018**

Weekly Activity Report

	Fri 20-Apr	Sat 21-Apr	Sun 22-Apr	Mon 23-Apr	Tue 24-Apr	Wed 25-Apr	Thu 26-Apr
12 AM	-	-	-	-	-	1	-
1 AM	-	-	-	-	-	-	1
2 AM	-	2	-	-	1	-	1
3 AM	-	2	-	-	1	-	2
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	1	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	3	1	2	1	1	-
8 AM	-	4	6	1	1	-	2
9 AM	-	6	7	1	-	-	-
10 AM	-	5	4	1	2	-	1
11 AM	-	4	9	1	-	-	-
12 PM	1	4	7	2	4	-	1
1 PM	-	3	7	7	2	1	2
2 PM	-	3	4	3	2	-	1
3 PM	2	-	3	3	4	-	2
4 PM	3	3	7	4	-	-	2
5 PM	-	3	10	3	-	-	3
6 PM	3	3	2	1	1	-	6
7 PM	1	3	1	-	1	-	-
8 PM	1	-	4	-	-	-	1
9 PM	-	1	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	2	2	1	2	2	2	2
Total Daily Aircraft Takeoffs	13	51	73	31	23	5	27

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	210

**Total Aircraft Takeoffs 223**

Source: DVRPC

**PTW–Heritage Field**

**June 25, 2018 to July 01, 2018**

**Spring II 2018**

**Weekly Activity Report**

	Mon 25-Jun	Tue 26-Jun	Wed 27-Jun	Thu 28-Jun	Fri 29-Jun	Sat 30-Jun	Sun 1-Jul
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	1
2 AM	-	1	1	-	1	1	-
3 AM	-	2	1	-	2	2	-
4 AM	-	-	-	3	1	-	-
5 AM	-	4	1	-	-	-	-
6 AM	-	-	1	-	-	-	-
7 AM	-	1	-	-	-	2	-
8 AM	-	4	-	-	3	4	7
9 AM	-	-	2	-	3	15	9
10 AM	-	2	1	4	3	7	-
11 AM	-	2	-	-	5	5	3
12 PM	-	7	-	5	3	6	3
1 PM	-	4	-	5	12	10	1
2 PM	-	4	-	6	3	8	1
3 PM	-	1	-	1	4	4	8
4 PM	-	2	1	3	1	-	3
5 PM	-	4	-	3	3	-	-
6 PM	-	4	1	2	2	1	1
7 PM	-	2	-	1	-	2	1
8 PM	-	1	-	-	-	-	-
9 PM	-	-	-	1	1	-	-
10 PM	-	1	-	-	-	1	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	2	2	1	2	2	2	2
Total Daily Aircraft Takeoffs	2	48	10	36	49	70	40

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	242

**Total Aircraft Takeoffs 255**

Source: DVRPC

**PTW–Heritage Field**

**August 05, 2018 to August 11, 2018**

**Summer I 2018**

Weekly Activity Report

	Sun 5-Aug	Mon 6-Aug	Tue 7-Aug	Wed 8-Aug	Thu 9-Aug	Fri 10-Aug	Sat 11-Aug
12 AM	-	-	1	1	1	-	1
1 AM	1	-	2	-	2	1	1
2 AM	-	3	-	-	-	-	-
3 AM	-	-	-	1	-	-	-
4 AM	-	2	-	-	-	1	-
5 AM	1	-	2	-	5	3	-
6 AM	5	3	2	1	4	2	-
7 AM	5	3	1	7	4	5	-
8 AM	7	2	1	4	-	3	-
9 AM	7	-	1	-	3	12	1
10 AM	3	8	-	-	2	5	2
11 AM	3	-	2	1	-	-	-
12 PM	13	2	4	2	-	5	1
1 PM	4	1	5	-	3	2	1
2 PM	1	1	7	-	7	-	-
3 PM	6	-	5	4	1	3	-
4 PM	-	4	-	6	1	1	-
5 PM	5	8	4	4	-	1	1
6 PM	-	2	-	2	-	-	-
7 PM	2	2	-	1	-	-	-
8 PM	-	1	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	1	1	1	-	-	-

Prorated Daily Helio Activity	2	2	1	2	2	2	2
Total Daily Aircraft Takeoffs	65	45	39	37	35	46	10

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	264

**Total Aircraft Takeoffs 277**

Source: DVRPC

**PTW–Heritage Field**

**September 16, 2018 to September 22, 2018**

**Summer II 2018**

**Weekly Activity Report**

	Sun 16-Sep	Mon 17-Sep	Tue 18-Sep	Wed 19-Sep	Thu 20-Sep	Fri 21-Sep	Sat 22-Sep
12 AM	-	-	-	-	2	-	-
1 AM	-	-	-	2	1	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	2	1	-	-	1
6 AM	1	-	-	3	-	-	4
7 AM	7	1	1	1	-	3	3
8 AM	10	-	1	6	1	5	3
9 AM	10	-	-	7	-	4	3
10 AM	6	-	-	3	-	1	3
11 AM	4	-	3	2	1	1	3
12 PM	1	-	3	1	1	3	6
1 PM	2	-	-	1	2	3	4
2 PM	2	-	3	-	5	2	3
3 PM	2	-	-	2	-	-	4
4 PM	1	1	-	3	-	2	4
5 PM	1	1	1	1	-	-	3
6 PM	-	-	-	9	-	-	2
7 PM	-	-	-	1	-	-	-
8 PM	1	-	1	-	-	1	-
9 PM	1	-	-	-	-	-	-
10 PM	-	-	1	-	-	-	-
11 PM	-	-	2	-	-	-	-

Prorated Daily Helio Activity	2	2	1	2	2	2	2
Total Daily Aircraft Takeoffs	51	5	19	45	15	27	48

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	197

**Total Aircraft Takeoffs 210**

Source: DVRPC

**PTW–Heritage Field**

**October 13, 2018 to October 19, 2018**

**Fall I 2018**

**Weekly Activity Report**

	Sat 13-Oct	Sun 14-Oct	Mon 15-Oct	Tue 16-Oct	Wed 17-Oct	Thu 18-Oct	Fri 19-Oct
12 AM	2	-	-	1	-	2	1
1 AM	2	-	-	2	2	3	2
2 AM	-	-	-	-	1	-	1
3 AM	-	-	-	-	-	1	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	1	1	1
6 AM	-	2	1	-	-	1	-
7 AM	-	5	-	-	3	2	6
8 AM	-	5	1	1	3	1	2
9 AM	-	10	-	8	11	2	5
10 AM	3	6	-	-	6	3	8
11 AM	8	2	-	7	2	1	3
12 PM	13	5	-	1	7	3	3
1 PM	10	3	-	3	9	-	2
2 PM	4	1	-	4	3	3	3
3 PM	2	1	-	-	-	2	13
4 PM	1	1	-	-	-	-	-
5 PM	-	-	-	-	-	2	1
6 PM	1	-	-	-	-	-	-
7 PM	-	-	-	1	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	2	-	1	-
Prorated Daily Helio Activity	2	2	1	2	2	2	2
Total Daily Aircraft Takeoffs	48	43	3	32	50	30	53
Prorated Total Helio Activity	13						
Total Fixed-Wing Activity	246						
<b>Total Aircraft Takeoffs</b>	<b>259</b>						

Source: DVRPC



**PTW–Heritage Field**

**November 04, 2018 to November 10, 2018**

**Fall II 2018**

**Weekly Activity Report**

	Sun 4-Nov	Mon 5-Nov	Tue 6-Nov	Wed 7-Nov	Thu 8-Nov	Fri 9-Nov	Sat 10-Nov
12 AM	-	-	-	-	-	1	-
1 AM	-	-	-	2	2	1	-
2 AM	-	-	-	2	3	2	1
3 AM	3	-	-	-	-	-	1
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	4	-	-	1	1	-	-
7 AM	4	-	-	-	-	-	3
8 AM	2	-	1	-	1	3	-
9 AM	6	-	1	2	2	3	4
10 AM	6	-	-	2	2	-	1
11 AM	7	-	-	4	1	2	1
12 PM	8	-	-	2	2	-	1
1 PM	8	-	-	1	2	1	-
2 PM	5	-	-	6	8	1	1
3 PM	8	-	-	7	7	-	-
4 PM	2	-	-	3	2	-	-
5 PM	1	-	-	1	-	-	-
6 PM	-	-	2	1	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	1	-	-	-	-	-	-
9 PM	-	-	-	1	1	-	-
10 PM	1	-	-	-	-	-	-
11 PM	-	-	-	1	-	-	-

Prorated Daily Helio Activity	2	0	3	2	2	2	2
Total Daily Aircraft Takeoffs	68	0	7	38	36	16	15

Prorated Total Helio Activity	13
Total Fixed-Wing Activity	167

**Total Aircraft Takeoffs 180**

Source: DVRPC

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## Pottstown Municipal Airport (N47)

Montgomery County

Pottstown, PA 19464

Runway Orientation: 08/26

Runway Length: 2,704 ft.

**Table 8: Pottstown Municipal Airport (N47) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	38
Multi-Engine	2
Jet	0
Helicopter	0
<b>Total</b>	<b>40</b>

*Source: AirNav.com, 2018*

Pottstown Municipal Airport is a municipally-owned, public use general aviation airport on the west end of Pottstown, in Montgomery County, Pennsylvania. The airport fixed base operator, Fly Elite, provides pilot training, maintenance, and rentals as part of the airport's on-site services. The facility is directly adjacent to a small business park with some tenants that base aircraft and use the airport regularly.

During the 2018 counting cycle, Pottstown Municipal Airport had an estimated 11,256 total operations, representing a 22 percent decrease in activity compared to the 2015 cycle. The decrease in operations continues at the same rate observed during the 2015 counting cycle. The decrease in fixed-wing operations corresponds to a 9 percent decrease in based fixed-wing aircraft.

Figure 8: Pottstown Municipal Airport (N47) Aerial Photo



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## DVRPC Aircraft Counting Program

Airport: Pottstown Municipal Airport (N47)

County: Montgomery County, PA

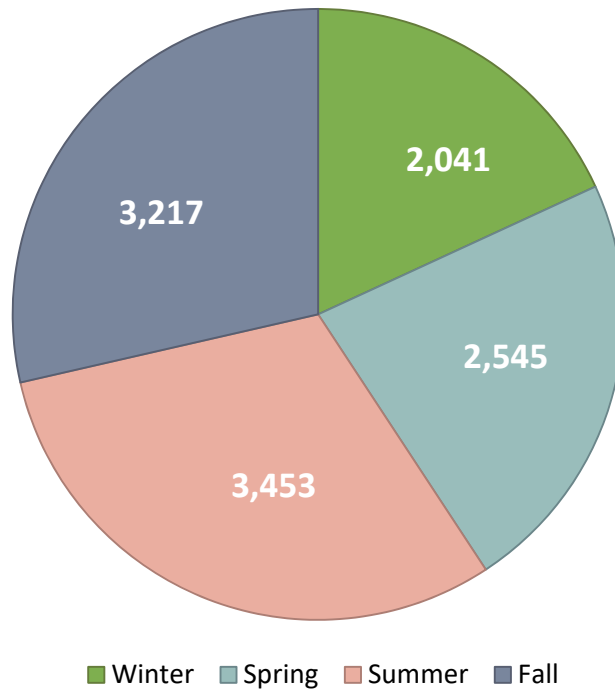
**Table 9: Pottstown Municipal Airport (N47) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Winter	2018	23	2,041	18%
Spring	2018	28	2,545	23%
Summer	2018	38	3,453	31%
Fall	2018	35	3,217	29%
<b>Annual Operations</b>	<b>2018</b>		<b>11,256</b>	

**Margin of Error: 22 at 95 percent confidence**

Source: DVRPC

**Figure 9: Pottstown Municipal Airport (N47) Seasonal Summary**



Source: DVRPC

**N47–Pottstown Municipal Airport**

**January 26, 2018 to February 01, 2018**

**Winter I 2018**

Weekly Activity Report

	Fri 26-Jan	Sat 27-Jan	Sun 28-Jan	Mon 29-Jan	Tue 30-Jan	Wed 31-Jan	Thu 1-Feb
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	1
7 AM	-	1	-	-	-	-	-
8 AM	-	1	-	-	-	1	-
9 AM	-	1	-	-	-	-	-
10 AM	-	5	-	8	-	1	-
11 AM	3	5	-	2	-	-	1
12 PM	-	7	-	2	-	-	1
1 PM	-	8	-	3	-	1	-
2 PM	1	6	-	3	-	2	-
3 PM	3	2	-	1	-	-	-
4 PM	1	2	3	-	-	1	1
5 PM	1	-	-	-	-	1	-
6 PM	-	-	-	-	-	-	1
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	9	38	3	20	1	7	6

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	81

**Total Aircraft Takeoffs 84**

Source: DVRPC



**N47–Pottstown Municipal Airport**

**March 14, 2018 to March 20, 2018**

**Winter II 2018**

**Weekly Activity Report**

	Wed 14-Mar	Thu 15-Mar	Fri 16-Mar	Sat 17-Mar	Sun 18-Mar	Mon 19-Mar	Tue 20-Mar
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	2	-	1	-
7 AM	-	-	-	7	1	-	-
8 AM	2	-	1	5	1	-	-
9 AM	-	4	1	1	1	1	-
10 AM	-	-	-	1	4	1	4
11 AM	-	-	-	1	-	-	1
12 PM	-	2	-	-	-	2	1
1 PM	-	-	-	1	1	8	-
2 PM	-	-	-	-	4	1	-
3 PM	-	-	-	1	1	1	-
4 PM	-	-	-	-	-	-	-
5 PM	1	-	-	-	2	-	-
6 PM	-	-	-	-	-	1	-
7 PM	-	-	-	-	-	5	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	3	6	2	20	16	21	7

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	72

**Total Aircraft Takeoffs 75**

Source: DVRPC



**N47–Pottstown Municipal Airport**

**April 21, 2018 to April 28, 2018**

**Spring I 2018**

Weekly Activity Report

	Sat 21-Apr	Sun 22-Apr	Mon 23-Apr	Tue 24-Apr	Wed 25-Apr	Thu 26-Apr	Fri 27-Apr
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	-	6	-	-	-	-
8 AM	2	1	2	-	-	-	-
9 AM	3	2	2	2	-	2	-
10 AM	1	2	2	5	-	4	-
11 AM	9	2	1	-	-	-	-
12 PM	4	4	2	-	-	1	-
1 PM	5	1	-	-	-	-	-
2 PM	2	3	-	-	1	1	-
3 PM	1	3	-	2	-	1	-
4 PM	4	1	1	-	-	5	-
5 PM	1	-	-	-	-	-	-
6 PM	4	4	-	-	-	-	-
7 PM	-	-	-	1	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	2	-	-	-	-	2	-
10 PM	2	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	40	23	16	11	2	16	1

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	106

**Total Aircraft Takeoffs 109**

Source: DVRPC

**N47–Pottstown Municipal Airport**

**June 26, 2018 to July 02, 2018**

**Spring II 2018**

Weekly Activity Report

	Tue 26-Jun	Wed 27-Jun	Thu 28-Jun	Fri 29-Jun	Sat 30-Jun	Sun 1-Jul	Mon 2-Jul
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	2	1
7 AM	-	-	-	-	-	3	1
8 AM	1	-	-	-	-	3	-
9 AM	2	2	-	1	1	4	2
10 AM	-	1	-	2	5	2	3
11 AM	-	-	-	1	4	8	2
12 PM	-	-	-	-	-	-	-
1 PM	2	-	-	-	-	-	-
2 PM	1	-	1	2	-	-	-
3 PM	2	1	-	1	-	-	-
4 PM	-	-	2	-	-	-	-
5 PM	-	-	5	1	-	1	-
6 PM	-	-	1	2	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	5	-	1	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	3	-	2
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	13	4	10	11	14	23	12

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	84

**Total Aircraft Takeoffs 87**

Source: DVRPC

**N47–Pottstown Municipal Airport**

**August 05, 2018 to August 11, 2018**

**Summer I 2018**

Weekly Activity Report

	Sun 5-Aug	Mon 6-Aug	Tue 7-Aug	Wed 8-Aug	Thu 9-Aug	Fri 10-Aug	Sat 11-Aug
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	1	-	-
4 AM	-	-	-	-	-	1	-
5 AM	-	-	-	-	-	2	-
6 AM	4	2	2	-	-	5	-
7 AM	3	2	6	1	3	11	2
8 AM	8	1	-	2	3	10	-
9 AM	4	1	2	1	-	1	-
10 AM	1	3	-	4	-	1	-
11 AM	-	2	3	3	1	2	1
12 PM	2	5	1	-	1	1	-
1 PM	-	-	-	5	-	2	-
2 PM	-	-	1	2	-	3	-
3 PM	-	-	-	3	3	-	-
4 PM	2	-	1	-	1	-	-
5 PM	-	-	14	-	-	1	-
6 PM	1	1	-	-	-	-	-
7 PM	-	-	-	-	1	-	-
8 PM	-	-	-	-	4	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	25	17	30	22	19	40	4

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	154

**Total Aircraft Takeoffs 157**

Source: DVRPC

**N47–Pottstown Municipal Airport**

**September 16, 2018 to September 22, 2018**

**Summer II 2018**

Weekly Activity Report

	Sun 16-Sep	Mon 17-Sep	Tue 18-Sep	Wed 19-Sep	Thu 20-Sep	Fri 21-Sep	Sat 22-Sep
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	1
5 AM	-	-	-	-	-	-	1
6 AM	1	-	-	1	-	-	1
7 AM	-	-	-	1	-	1	3
8 AM	4	-	-	7	-	4	3
9 AM	1	4	-	1	-	3	2
10 AM	1	3	-	2	-	1	2
11 AM	2	-	1	5	-	2	2
12 PM	-	-	-	1	2	3	2
1 PM	-	-	1	-	-	2	5
2 PM	1	-	1	5	2	1	6
3 PM	1	-	-	1	2	-	-
4 PM	-	-	-	-	1	-	-
5 PM	1	-	-	-	-	-	-
6 PM	1	-	-	4	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	13	7	3	29	8	17	29

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	103

**Total Aircraft Takeoffs 106**

Source: DVRPC

**N47–Pottstown Municipal Airport**

**October 07, 2018 to October 13, 2018**

**Fall I 2018**

**Weekly Activity Report**

	Sun 7-Oct	Mon 8-Oct	Tue 9-Oct	Wed 10-Oct	Thu 11-Oct	Fri 12-Oct	Sat 13-Oct
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	-	-	-	-	-	2
8 AM	-	1	-	2	-	-	2
9 AM	-	1	-	1	-	-	8
10 AM	1	-	-	1	-	2	11
11 AM	-	5	3	3	-	1	7
12 PM	7	5	3	1	-	1	11
1 PM	5	-	3	2	-	6	7
2 PM	3	-	2	3	-	2	5
3 PM	-	-	2	3	-	-	-
4 PM	1	-	1	1	-	-	-
5 PM	-	-	-	-	-	-	-
6 PM	-	-	-	-	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	1	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	17	12	14	19	1	12	54

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	126

**Total Aircraft Takeoffs 129**

Source: DVRPC

**N47–Pottstown Municipal Airport**

**October 14, 2018 to October 20, 2018**

**Fall II 2018**

**Weekly Activity Report**

	Sun 14-Oct	Mon 15-Oct	Tue 16-Oct	Wed 17-Oct	Thu 18-Oct	Fri 19-Oct	Sat 20-Oct
12 AM	-	-	-	-	-	-	1
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	1	-	-	-	-	-	-
6 AM	-	-	1	1	-	-	-
7 AM	5	-	3	1	1	3	-
8 AM	4	-	3	-	1	3	4
9 AM	5	-	2	4	-	2	1
10 AM	10	-	3	-	-	-	-
11 AM	4	-	2	-	1	1	-
12 PM	7	-	1	1	-	1	-
1 PM	6	-	2	-	4	6	-
2 PM	-	-	3	-	-	4	2
3 PM	1	-	-	-	-	3	2
4 PM	-	-	-	-	-	-	1
5 PM	-	-	-	-	-	1	-
6 PM	-	-	-	-	1	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	0	0	0	1	1	0	1
Total Daily Aircraft Takeoffs	43	0	20	8	9	24	12

Prorated Total Helio Activity	3
Total Fixed-Wing Activity	113

**Total Aircraft Takeoffs 116**

Source: DVRPC

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## Quakertown Airport (UKT)

### Bucks County

Runway Orientation: 11/29

### Quakertown, PA 18951

Runway Length: 3,210 ft.

**Table 10: Quakertown Airport (UKT) Based Aircraft**

Based Aircraft Fleet Mix	
Single-Engine	82
Multi-Engine	5
Jet	1
Helicopter	0
Ultralight	2
<b>Total</b>	<b>90</b>

*Source: AirNav.com, 2018*

Quakertown Airport is a public use airport owned by the Bucks County Airport Authority. The airport is located in Milford Township in Bucks County, Pennsylvania, west of Quakertown. The airport has one paved runway with a full taxiway, hangars and tie-downs, air services facilities, and a terminal building. Heartwood Aviation is the fixed base operator at the airport. In addition to the fixed based operator, there are a number of on-site businesses including Fix'N to Fly, Air Methods, and World Aviation that together provide services including maintenance, avionics, fuel, charter services, and flight instruction. The Air Methods facility serves MedEvac operations, providing maintenance to aircraft based throughout the region.

Quakertown Airport had an estimated 24,743 total operations during the 2018 counting cycle, a 46 percent increase over the previous cycle in 2016. The increase in operations correlates with an increase in based aircraft and was led by fixed-wing operations that grew by over 5,500 operations. Helicopter operations were also significantly higher as a result of increased demand from the Air Methods operation. This growth in activity reverses the contraction in operations observed during the previous count cycle.



Figure 10: Quakertown Airport (UKT) Aerial Photo



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## DVRPC Aircraft Counting Program

Airport: Quakertown Airport (UKT)

County: Bucks County, PA

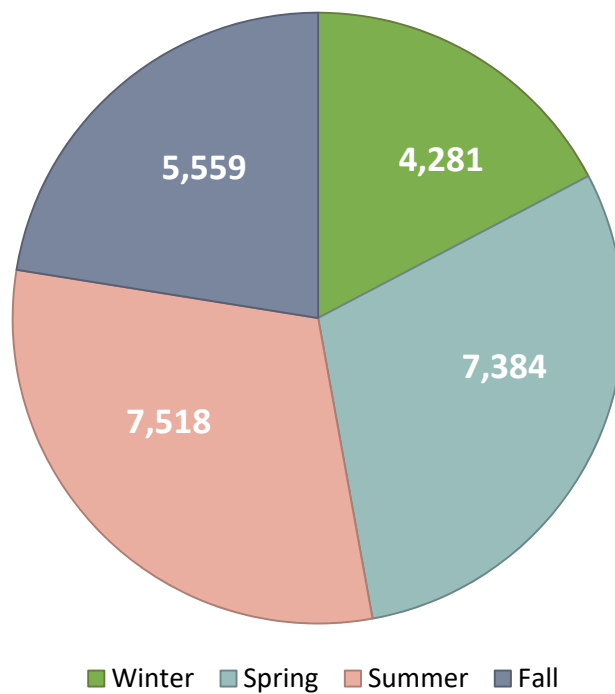
**Table 11: Quakertown Airport (UKT) Annual Summary**

Season	Year	Average Daily Operations	Total Operations	Percentage of Annual Operations
Winter	2018	48	4,281	17%
Spring	2018	81	7,384	30%
Summer	2018	82	7,518	30%
Fall	2018	60	5,559	22%
<b>Annual Operations</b>	<b>2018</b>		<b>24,743</b>	

**Margin of Error: 17 at 95 percent confidence**

Source: DVRPC

**Figure 11: Quakertown Airport (UKT) Seasonal Summary**



Source: DVRPC

**UKT–Quakertown Airport**

**January 26, 2018 to February 01, 2018**

**Winter I 2018**

Weekly Activity Report

	Fri 26-Jan	Sat 27-Jan	Sun 28-Jan	Mon 29-Jan	Tue 30-Jan	Wed 31-Jan	Thu 1-Feb
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	-
7 AM	-	-	-	-	-	-	-
8 AM	-	1	-	-	-	3	-
9 AM	-	6	-	-	-	3	-
10 AM	-	5	-	1	-	5	2
11 AM	-	4	-	2	-	1	1
12 PM	1	1	-	7	-	-	-
1 PM	4	2	-	2	-	2	1
2 PM	3	-	1	2	-	-	-
3 PM	10	4	2	2	-	-	1
4 PM	2	-	3	4	-	-	1
5 PM	1	-	-	-	-	1	-
6 PM	-	-	-	-	-	-	-
7 PM	-	1	-	-	-	-	-
8 PM	-	1	-	-	-	-	-
9 PM	-	1	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	27	32	12	26	6	21	12

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	94

**Total Aircraft Takeoffs 136**

Source: DVRPC

**UKT–Quakertown Airport**

**March 14, 2018 to March 20, 2018**

**Winter II 2018**

**Weekly Activity Report**

	Wed 14-Mar	Thu 15-Mar	Fri 16-Mar	Sat 17-Mar	Sun 18-Mar	Mon 19-Mar	Tue 20-Mar
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	1
6 AM	-	-	-	1	3	1	1
7 AM	-	-	1	-	1	3	-
8 AM	1	-	1	5	2	6	1
9 AM	-	-	-	10	5	11	1
10 AM	-	7	-	4	1	13	-
11 AM	-	1	-	7	3	9	-
12 PM	-	1	1	1	3	3	2
1 PM	-	1	-	-	5	2	-
2 PM	-	1	-	-	5	5	-
3 PM	-	-	1	-	5	7	-
4 PM	-	2	-	-	3	1	-
5 PM	-	1	-	1	3	1	-
6 PM	-	-	-	-	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	7	20	10	35	45	68	12

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	155

**Total Aircraft Takeoffs 197**

Source: DVRPC

**UKT–Quakertown Airport**

**April 20, 2018 to April 26, 2018**

**Spring I 2018**

Weekly Activity Report

	Fri 20-Apr	Sat 21-Apr	Sun 22-Apr	Mon 23-Apr	Tue 24-Apr	Wed 25-Apr	Thu 26-Apr
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	-	-	-
6 AM	-	-	-	-	-	-	1
7 AM	-	1	-	1	1	-	2
8 AM	-	6	8	-	4	-	3
9 AM	-	12	12	1	1	-	-
10 AM	7	7	7	8	1	-	2
11 AM	-	6	5	11	2	-	1
12 PM	-	8	9	10	3	-	1
1 PM	2	1	5	2	2	-	-
2 PM	-	2	6	2	3	-	1
3 PM	-	3	3	9	1	-	1
4 PM	-	1	1	1	-	-	1
5 PM	1	5	1	1	-	-	-
6 PM	1	-	2	3	-	-	5
7 PM	-	-	-	2	-	1	9
8 PM	-	-	-	-	-	-	4
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	17	58	65	57	24	7	37

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	223

**Total Aircraft Takeoffs 265**

Source: DVRPC

**UKT–Quakertown Airport**

**June 26, 2018 to July 02, 2018**

**Spring II 2018**

Weekly Activity Report

	Tue 26-Jun	Wed 27-Jun	Thu 28-Jun	Fri 29-Jun	Sat 30-Jun	Sun 1-Jul	Mon 2-Jul
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	12	-	-	-	-
5 AM	-	-	-	1	-	-	-
6 AM	-	-	-	-	4	2	-
7 AM	-	3	-	2	3	2	1
8 AM	2	5	-	4	1	9	3
9 AM	5	4	-	6	2	1	2
10 AM	7	5	-	4	4	5	1
11 AM	2	1	-	-	8	2	2
12 PM	2	-	-	1	7	6	3
1 PM	1	-	-	1	7	1	2
2 PM	5	-	1	1	10	5	1
3 PM	4	-	-	3	4	3	-
4 PM	-	-	1	3	4	4	3
5 PM	2	4	4	-	-	-	4
6 PM	5	-	7	4	1	-	-
7 PM	5	-	8	3	-	-	-
8 PM	1	-	2	5	-	1	-
9 PM	3	1	1	-	-	-	-
10 PM	-	-	2	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	50	29	44	44	61	47	28

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	261

**Total Aircraft Takeoffs 303**

Source: DVRPC

**UKT–Quakertown Airport**

**August 05, 2018 to August 11, 2018**

**Summer I 2018**

Weekly Activity Report

	Sun 5-Aug	Mon 6-Aug	Tue 7-Aug	Wed 8-Aug	Thu 9-Aug	Fri 10-Aug	Sat 11-Aug
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	1
3 AM	-	2	-	-	-	-	2
4 AM	-	1	-	-	2	1	-
5 AM	2	1	-	-	-	2	-
6 AM	4	4	-	-	7	8	-
7 AM	5	3	-	-	9	7	-
8 AM	7	4	1	8	8	10	-
9 AM	5	2	-	9	4	7	1
10 AM	10	7	1	2	1	4	6
11 AM	4	4	5	6	4	3	1
12 PM	5	2	2	-	7	5	1
1 PM	-	3	5	3	5	-	2
2 PM	4	-	2	2	3	-	-
3 PM	3	1	6	-	1	3	-
4 PM	5	3	1	-	-	11	-
5 PM	2	5	6	-	8	1	-
6 PM	2	3	-	1	1	-	-
7 PM	-	-	-	-	1	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	1	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	64	51	36	37	67	68	20

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	301

**Total Aircraft Takeoffs 343**

Source: DVRPC



**UKT–Quakertown Airport**

**September 15, 2018 to September 21, 2018**

**Summer II 2018**

**Weekly Activity Report**

	Sat 15-Sep	Sun 16-Sep	Mon 17-Sep	Tue 18-Sep	Wed 19-Sep	Thu 20-Sep	Fri 21-Sep
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	1	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	1	5	-	4
6 AM	1	2	-	-	5	1	4
7 AM	3	3	-	-	3	1	2
8 AM	2	2	-	-	7	1	-
9 AM	3	5	-	-	1	1	2
10 AM	2	1	1	-	9	2	-
11 AM	3	4	-	-	17	-	-
12 PM	9	6	-	-	3	3	1
1 PM	10	4	-	-	1	2	-
2 PM	4	4	-	1	5	-	-
3 PM	2	3	-	5	2	-	1
4 PM	2	-	-	2	2	-	1
5 PM	2	1	-	-	7	-	-
6 PM	1	-	-	-	-	3	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	1	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	51	41	7	15	74	20	21

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	187

**Total Aircraft Takeoffs 229**

Source: DVRPC



**UKT–Quakertown Airport**

**October 01, 2018 to October 07, 2018**

**Fall I 2018**

Weekly Activity Report

	Mon 1- Oct	Tue 2-Oct	Wed 3-Oct	Thu 4-Oct	Fri 5-Oct	Sat 6-Oct	Sun 7-Oct
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	1	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	-	-	5	1	-
6 AM	-	-	1	1	6	1	-
7 AM	6	1	4	1	2	-	-
8 AM	3	1	11	-	5	-	-
9 AM	-	2	3	2	2	-	-
10 AM	3	6	8	6	2	-	-
11 AM	4	-	2	3	7	-	3
12 PM	1	-	6	1	6	-	3
1 PM	1	-	4	1	-	-	2
2 PM	-	3	2	-	4	-	7
3 PM	1	2	-	1	1	-	5
4 PM	-	-	1	-	2	-	-
5 PM	2	-	2	4	-	-	-
6 PM	-	-	-	1	-	-	-
7 PM	-	-	-	-	-	-	-
8 PM	-	2	-	-	-	-	-
9 PM	-	-	-	-	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	27	23	51	27	48	8	26

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	168

**Total Aircraft Takeoffs 210**

Source: DVRPC

**UKT–Quakertown Airport**

**October 20, 2018 to October 26, 2018**

**Fall II 2018**

**Weekly Activity Report**

	Sat 20-Oct	Sun 21-Oct	Mon 22-Oct	Tue 23-Oct	Wed 24-Oct	Thu 25-Oct	Fri 26-Oct
12 AM	-	-	-	-	-	-	-
1 AM	-	-	-	-	-	-	-
2 AM	-	-	-	-	-	-	-
3 AM	-	-	-	-	-	-	-
4 AM	-	-	-	-	-	-	-
5 AM	-	-	5	1	-	-	3
6 AM	-	-	4	2	-	1	9
7 AM	-	-	2	1	-	3	1
8 AM	-	-	2	-	-	5	6
9 AM	3	-	1	-	3	6	6
10 AM	2	-	1	-	2	9	9
11 AM	2	1	-	-	-	-	9
12 PM	4	-	-	-	2	1	8
1 PM	3	-	7	-	-	1	2
2 PM	3	-	3	-	-	1	7
3 PM	-	-	10	1	1	1	-
4 PM	-	-	4	-	2	1	-
5 PM	-	-	2	-	3	-	-
6 PM	-	-	-	2	1	1	-
7 PM	-	-	-	-	-	-	-
8 PM	-	-	-	-	-	-	-
9 PM	-	-	-	1	-	-	-
10 PM	-	-	-	-	-	-	-
11 PM	-	-	-	-	-	-	-

Prorated Daily Helio Activity	6	6	6	6	6	6	6
Total Daily Aircraft Takeoffs	23	7	47	14	20	36	66

Prorated Total Helio Activity	42
Total Fixed-Wing Activity	171

**Total Aircraft Takeoffs 213**

Source: DVRPC

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Key Words: Aircraft Operations, Helicopter Operations, Airports, Fixed-Wing Airplane, Rotorcraft, Takeoffs, Landings, Count, Activity, Estimate, Seasonal, Annual, Acoustic Counter, Based Aircraft, Runway Length

Abstract: This technical report presents aircraft operations estimates for four non-towered airports in the Delaware Valley aviation planning area. Acoustic counts were taken at each airport, starting in January 2018 and ending in December 2018; each sample covered seven continuous days. The samples were extrapolated over the entire year, and the results are presented in this report. Results are used by multiple sources to monitor aircraft activity levels in the Delaware Valley and as a base for planning and forecasting documents.

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