



2019

State of General Aviation

Introduction to General Aviation

- General aviation [GA] is all civilian flying except scheduled passenger airline service.
- An estimated 65% of general aviation flights are conducted for business and public services that need transportation more flexible than the airlines can offer.
- More than 90% of the roughly 220,000 civil aircraft registered in the United States are general aviation aircraft.
- More than 80% of the 609,000 pilots certificated in the U.S. fly GA aircraft.
- *General Aviation generates more than \$150 billion in economic activity annually and creates 7.6M jobs.
- *Nationally, civil aviation contributed 5.1% of the GDP, but at the state level, the value of contribution to a state's GDP ranges from a high of 19 percent (Hawaii) to a low of 0.5 percent (Delaware).

Executive Summary

General Aviation [GA] activity increased in 2017; the number of aircraft handled by ATC was up nearly 2%, the number of hours flown was up more than 2%, and number of tower operations increased by 1%.

GA generates \$39B in direct economic output and 7.6M jobs according to the latest FAA analysis

Student, Private, and Commercial certificate issuances were up about 4% in 2017, but ATP certificate issuances were down 53% to 4,449

CFI rating issuances increased more than 5%

Instrument rating issuances were up 5%

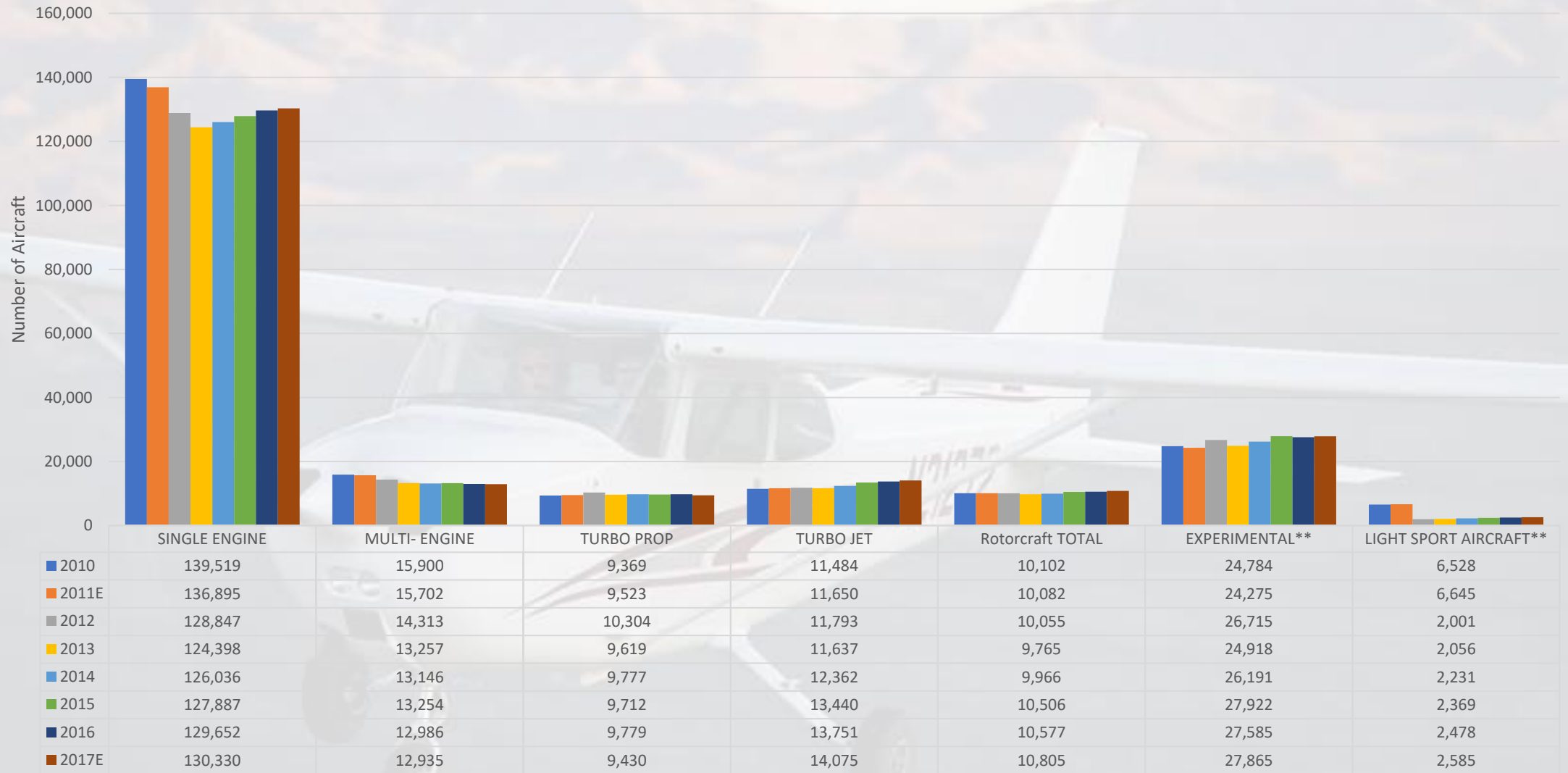
GA shipments (aircraft) were up 2.5% in 2017

GA fatal accidents were down 14.5% in 2017

General Aviation Summary Data

Flight Activity	2017	2016	2015
Centers-Aircraft Handled (GA Aircraft)	7,451,713	7,334,296	7,106,001
Tower Operations	53,775,486	53,297,836	53,040,452
Gallons AV Gas Sold	209M	206M	196M
Pilot Certification	2017	2016	2015
Student Issuances	38,401	36,712	49,062
Private Issuances	17,752	17,082	16,473
Commercial Issuances	10,506	10,191	9,211
ATP Issuances	4,449	9,520	6,544
CFI Rating Issuances	5,310	5,043	4,544
Instrument Rating Issuances	11,443	11,020	10,103
Aircraft	2017	2016	2015
GA Shipments - includes piston, turbo prop, and business jets	2,324	2,268	2,331
Active GA Aircraft	213,050	211,794	210,031
GA Aircraft AVGAS Consumption (Millions of Gallons)	209	206	196
GA Aircraft Jet Fuel Consumption (In Millions of Gallons)	1,535	1,437	1,383
GA and Air Taxi Hours Flown (In Thousands)	25,369	24,834	24,142
Aviation Safety	2017	2016	2015
GA (Fatal) Accidents	330	386	378

Active Aircraft 2010 to 2017

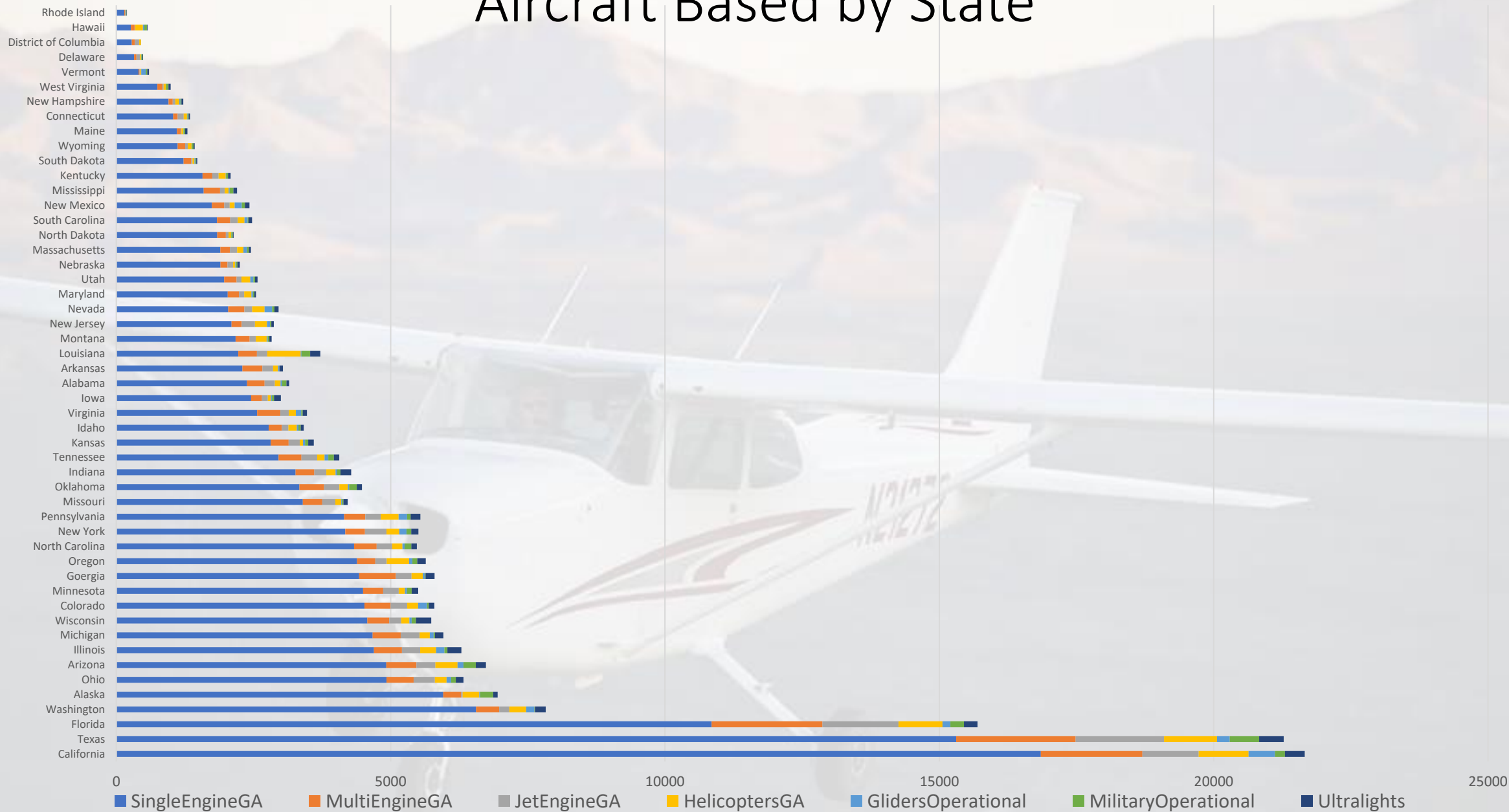


* Source: 2001-2010, 2012-2016, FAA General Aviation and Air Taxi Activity (and Avionics) Surveys.

**Experimental Light-sport category that was previously shown under Sport Aircraft is moved under Experimental Aircraft category, starting in 2012.

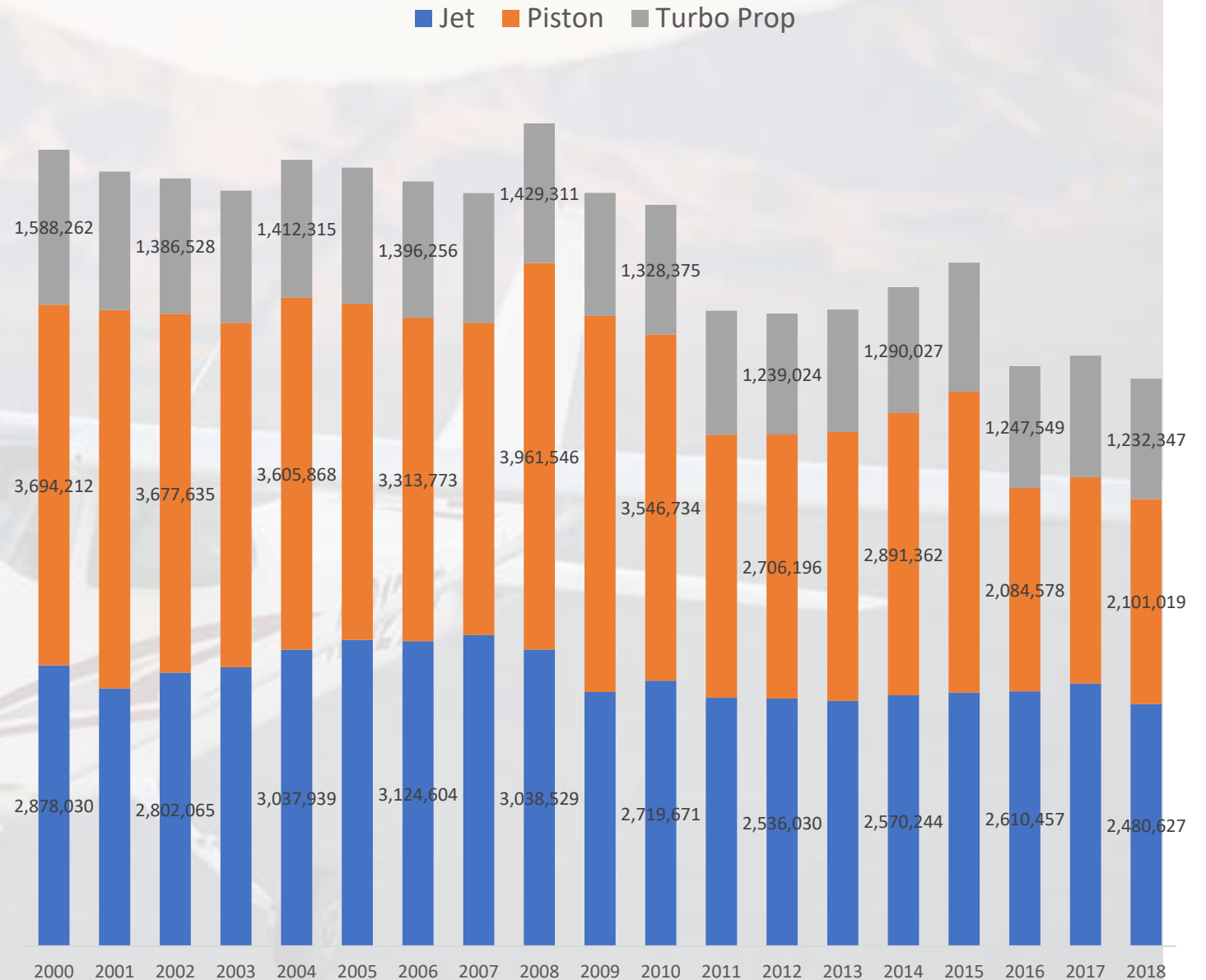
Note: An active aircraft is one that has a current registration and was flown at least one hour during the calendar year.

Aircraft Based by State



Source: FAA Airports Dataset

Total Operations (Takeoffs and Landings) Trending Down 2000 to 2018



Source: FAA TFMSC data 2000-2018

General Aviation and Air Taxi Hours Flown (In Thousands)

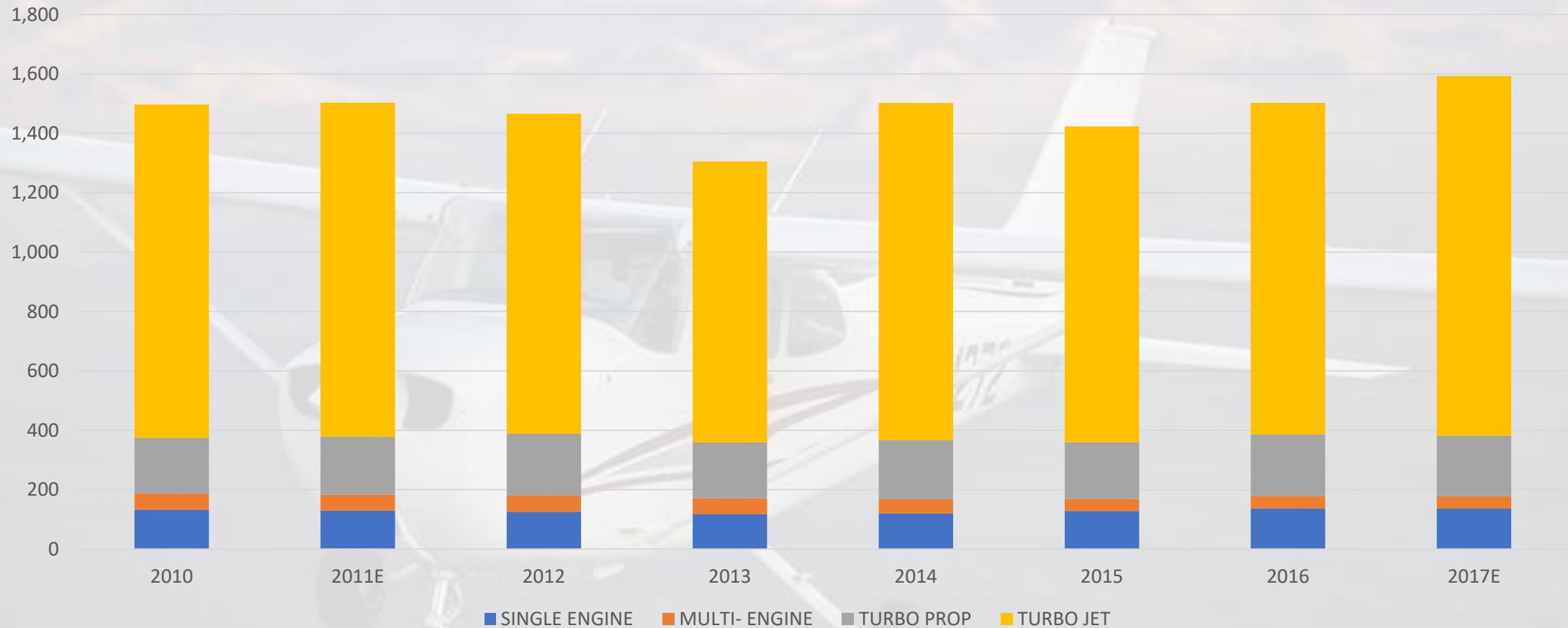


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General Aviation Annual Fuel Consumption (in millions of gallons)



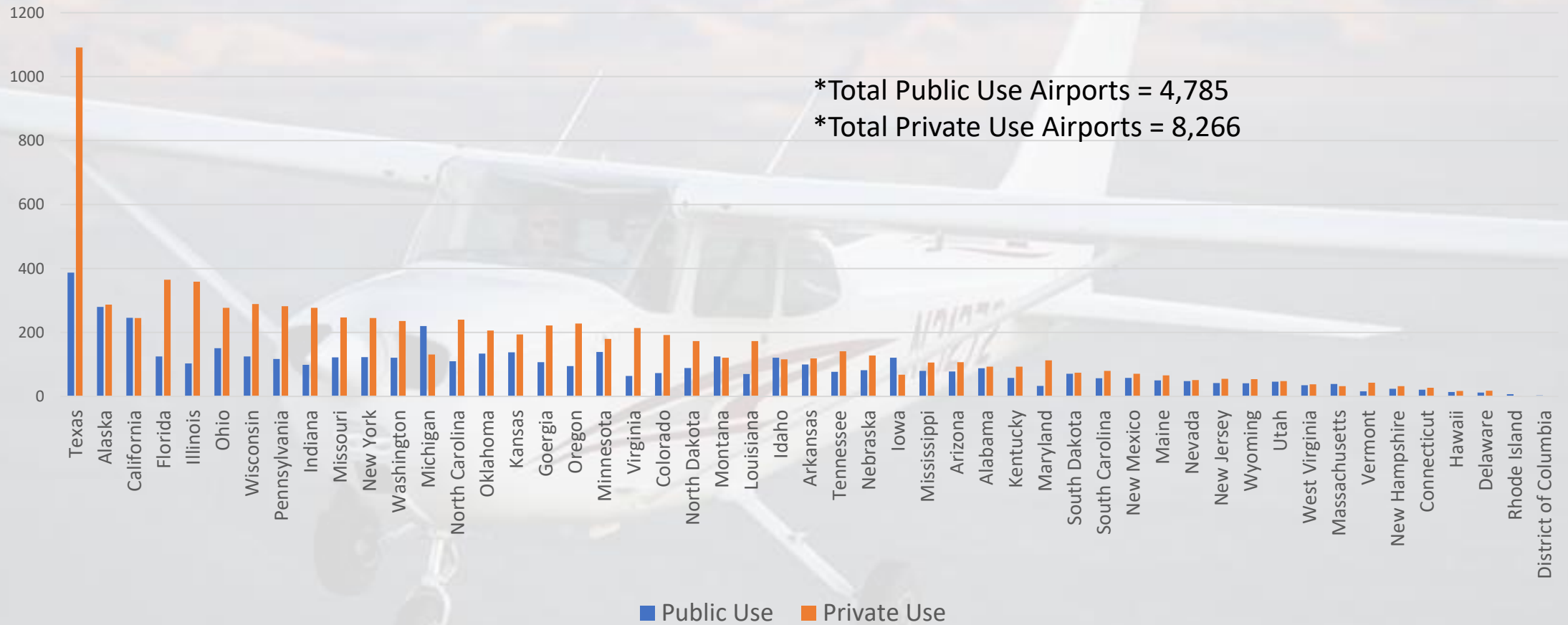
Total AVGAS Consumed by GA in 2017 = 209M gallons

Total Jet Fuel Consumed by GA in 2017 = 1.8B gallons

Top 10 Busiest GA Airports

Airport Name	Location ID	Operations Commercial (Air Carrier)	Operations Air Taxi	Operations GA Local	Operations GA Itinerant	Operations Military	Total GA (Local + Itinerant) Ops
VAN NUYS	VNY	0	16,408	155,420	332,117	557	487,537
PHOENIX DEER VALLEY	DVT	12	4,670	130,886	243,075	134	373,961
CENTENNIAL	APA	0	28,361	153,744	133,098	6,366	286,842
ERNEST A LOVE FIELD	PRC	10	3,017	177,233	85,290	648	262,523
LONG BEACH /DAUGHERTY FIELD/	LGB	34,962	6,708	151,912	101,734	860	253,646
PORTLAND-HILLSBORO	HIO	0	9,561	160,261	83,381	644	243,642
PHOENIX-MESA GATEWAY	IWA	11,503	38,200	166,519	66,727	7,503	233,246
FALCON FLD	FFZ	9	67,638	175,051	53,307	4,196	228,358
GRAND FORKS INTL	GFK	1,029	105,715	212,325	12,634	182	224,959
GILLESPIE FIELD	SEE	0	345	140,189	68,061	101	208,250

Public Use and Private Use Airports by State



* Does not include seaplane bases or heliports – total of all facilities 19,346



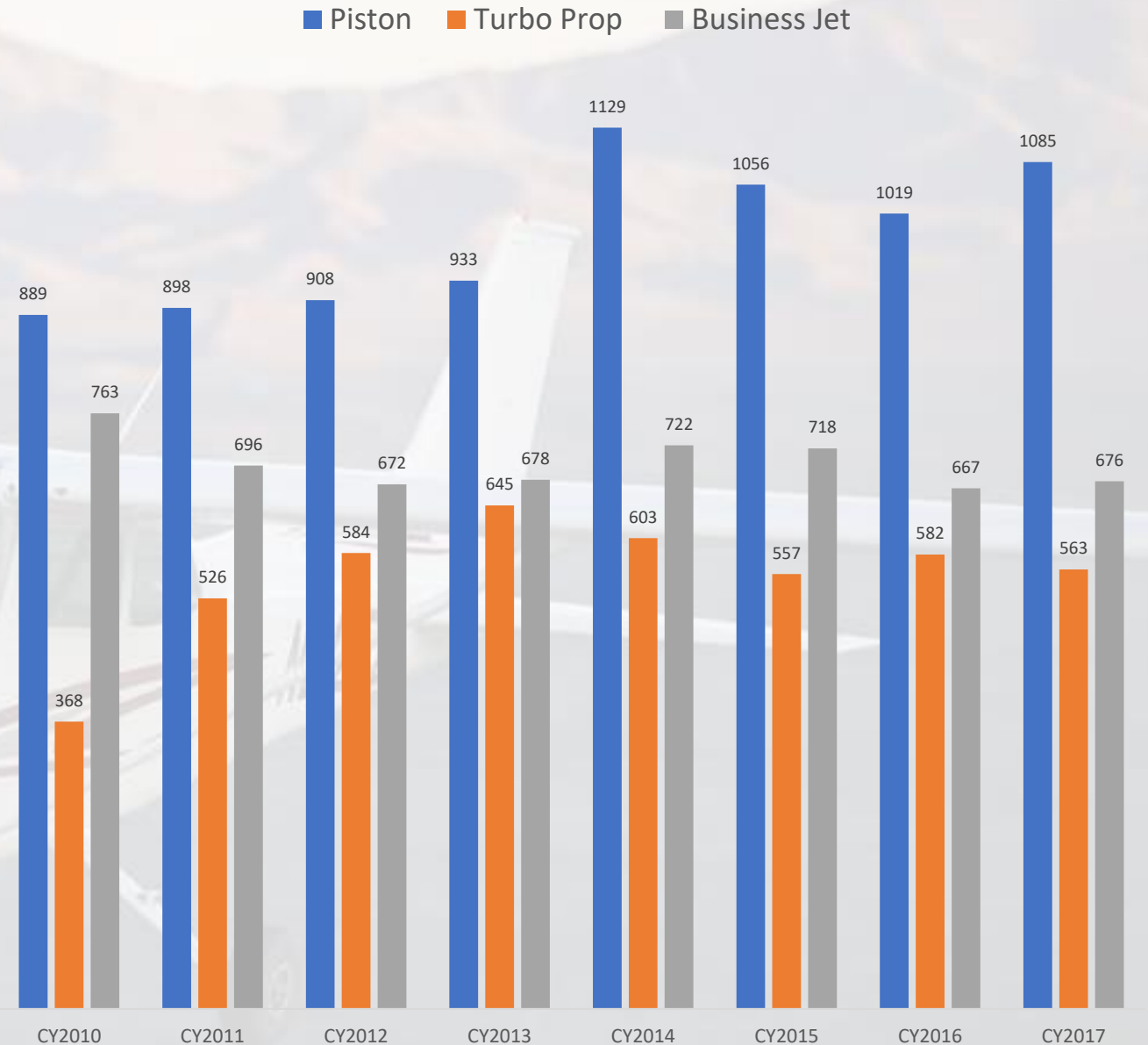
Control Towers

718 Towered Locations in the U.S.

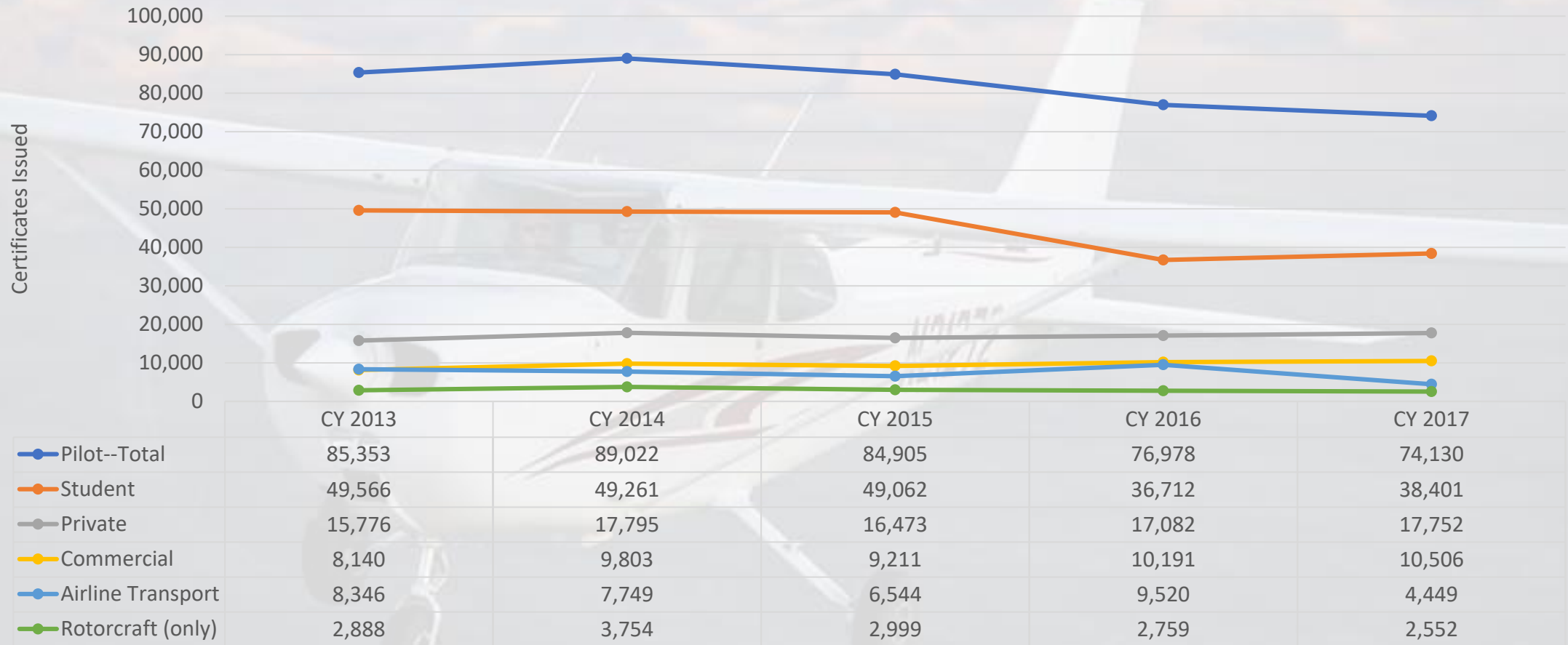
- 708 Airports with Towers
- 9 Heliports with Towers
- 1 Seaplane Base with a Tower
- 7 Privately Owned Locations with Towers
- 550 Publicly Owned (not Military) Locations with Towers
- 161 Military/Government Locations with Towers

GA Aircraft Shipments by Year

Source: General Aviation Manufacturers Association

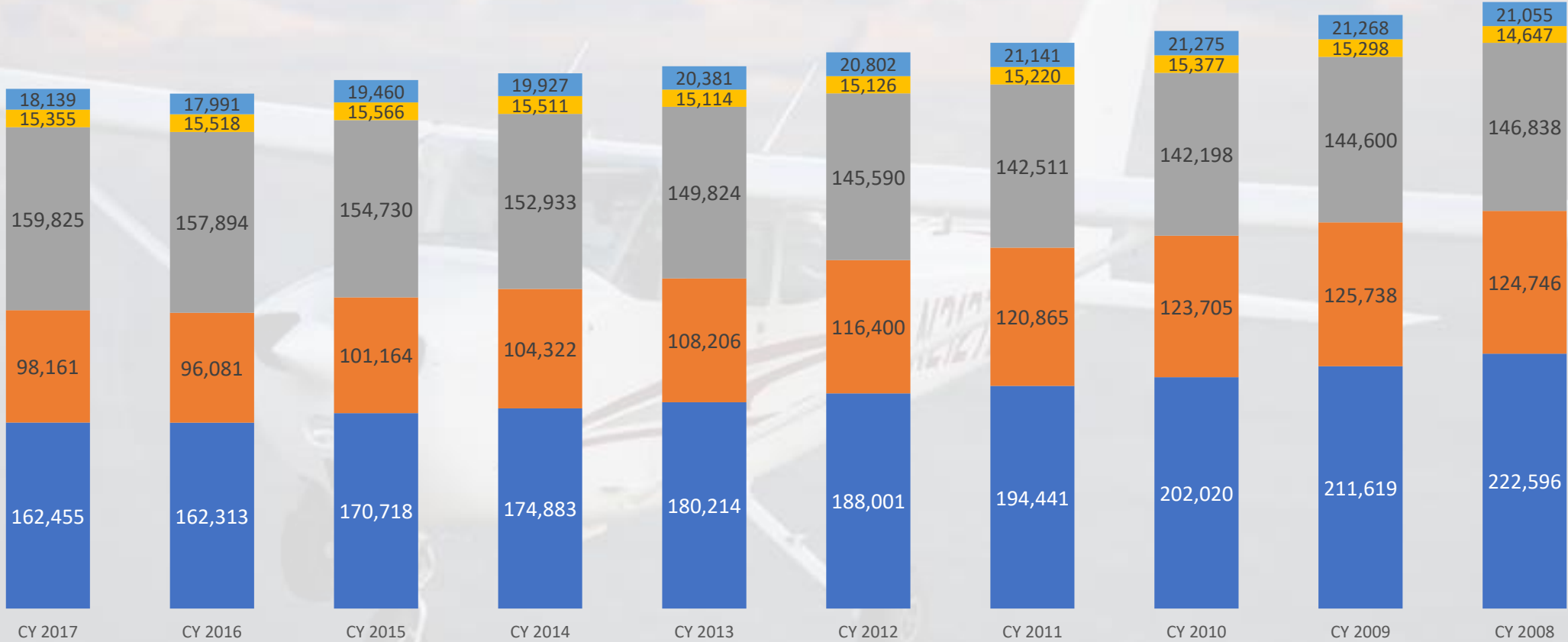


Original Airmen Certificates Issued Each Year by Category 2008 to 2017



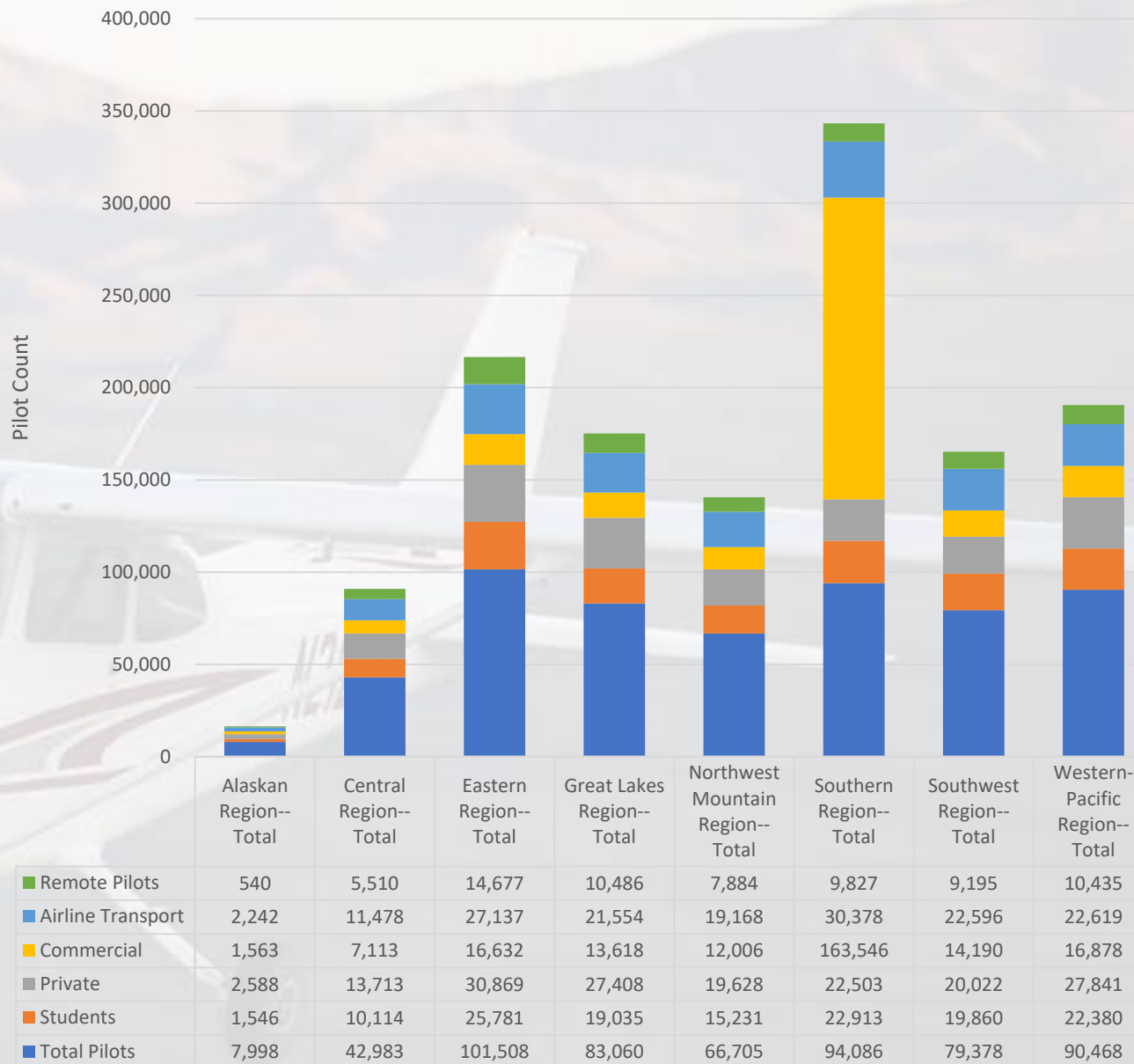
Estimated Active Airmen by Certificate 2008 to 2017

■ Private
 ■ Commercial
 ■ Airline Transport
 ■ Rotorcraft (only) 3/
 ■ Glider (only) 4,5/



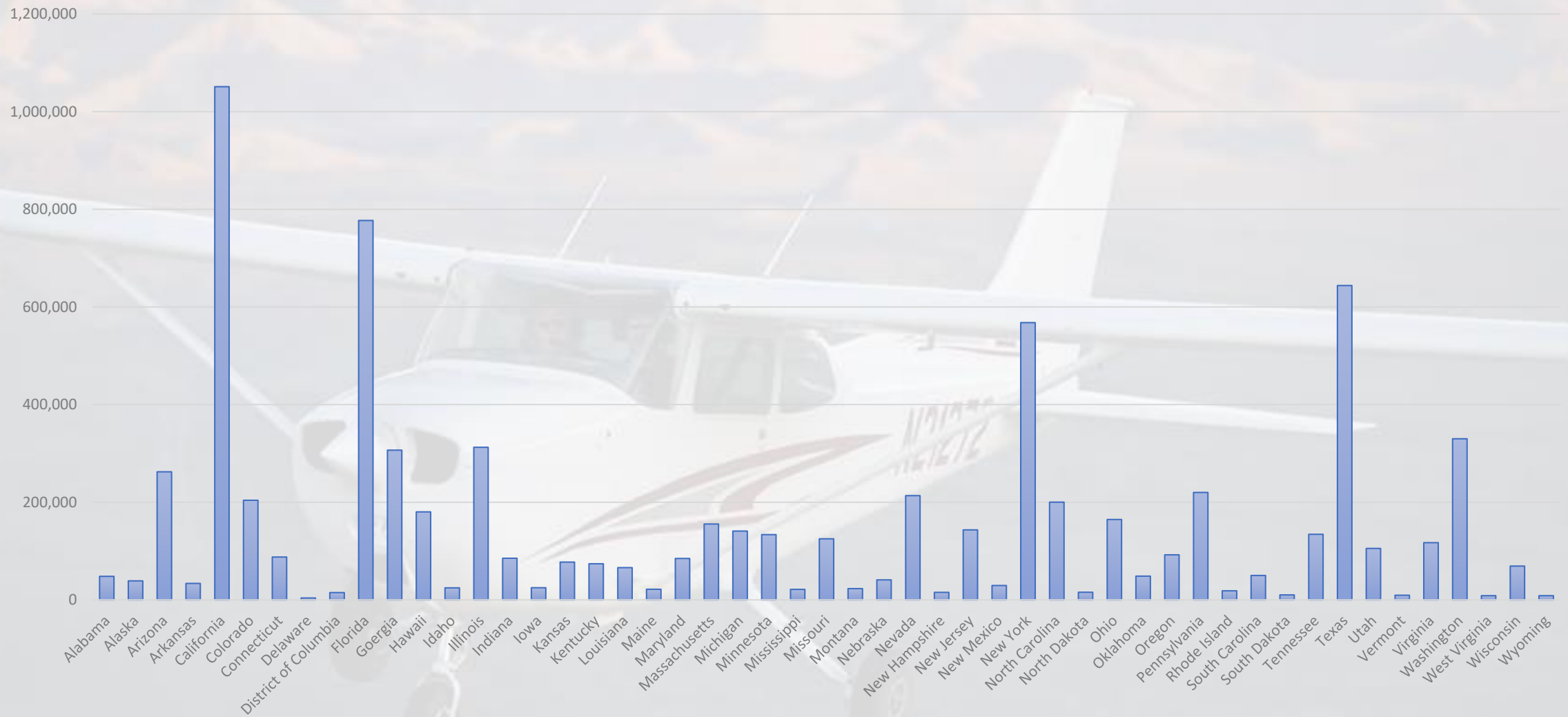
Source: FAA Airman Statistics

Pilots by Geographic Region and Certificate



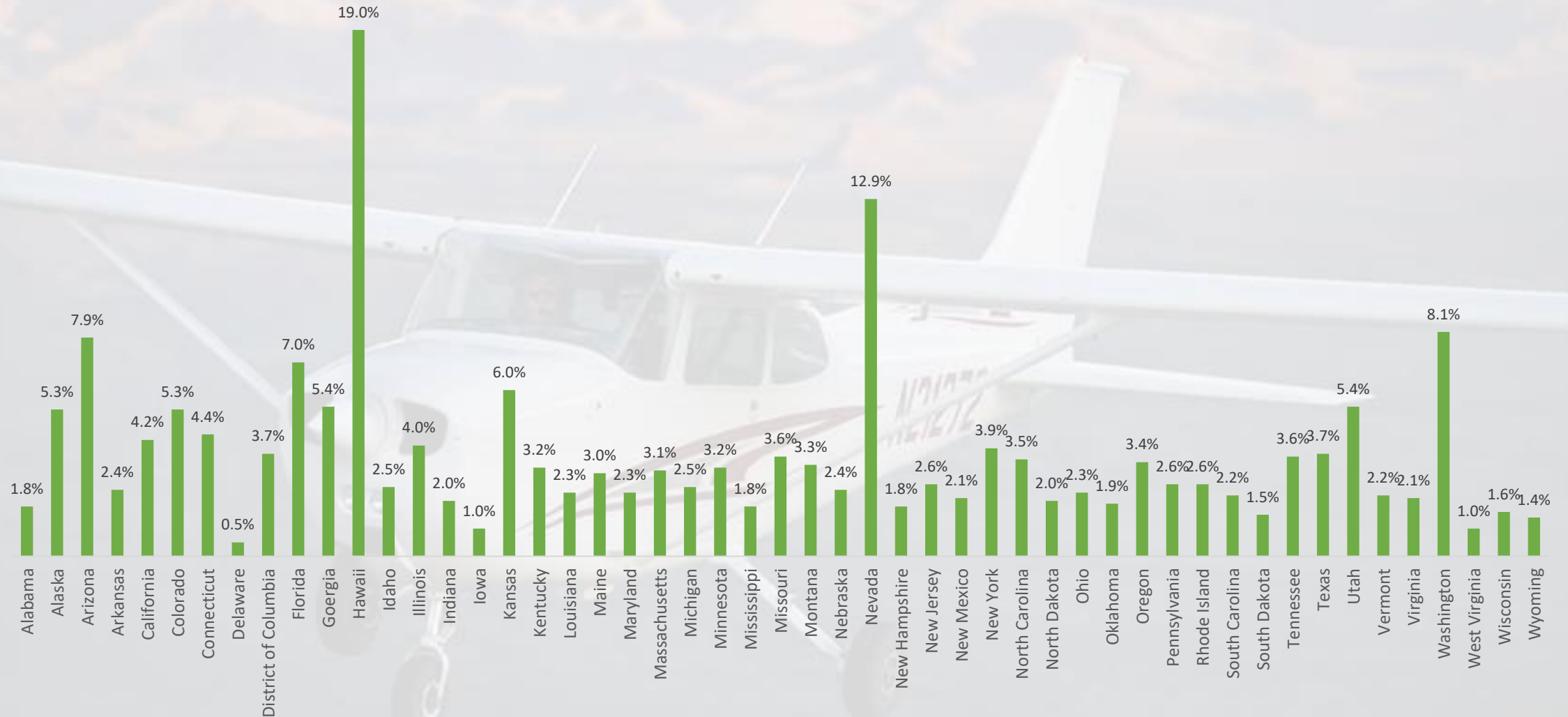
FAA REGIONS
Alaskan Region- Alaska
Central Region-IA, KS, KY, MO, NE, TN
Eastern Region-CT, DE, DC, ME, MD, MA, NH, NJ, NY, NC, PA, RI, VT, VA, WV
Great Lakes Region-IL, IN, MI, MN, ND, OH, SD, WI
Northwest Mountain Region-CO, ID, MT, OR, UT, WA, WY
Southern Region-AL, FL, GA, PR, SC, Virgin Islands
Southwest Region-AR, LA, MS, NM, OK, TX
Western-Pacific Region-AZ, CA, NV, HI, Guam, Northern Mariana Islands, American Samoa

Jobs Created by General Aviation in Each State



Source: U.S. DOT , The Economic Impact of Civil Aviation on the U.S. Economy 2017

General Aviation's Contribution to State GDP



Source: U.S. DOT , The Economic Impact of Civil Aviation on the U.S. Economy 2017