

# Aviation in California: Fact Sheet (February 2018)

## Aviation Facilities<sup>1</sup>

- **217** General Aviation Airports
- **26** Commercial Service Airports exceed 2,500 annual enplanements in 2016 (**23** report greater than 10,000 annual enplanements)
- **68** Special Use Airports
- **167** Hospital and **196** Corporate, Police, Fire, Agricultural or Private Heliports
- **22** Federal Air Bases / **1** Joint Use Facility (March ARB)
- **108** Automated Weather Observation/Information System Locations

## Scheduled Passenger Service<sup>2</sup>

- For the second consecutive year, Commercial Service airports reported handling more than **200 million passengers** (215 million passengers – CY 2016)
- The Federal Aviation Administration awarded a total of \$57 million in federal FY 2016 to 25 of these airports from the Airport Improvement Program Passenger Entitlement Program.
- California's share of national air passenger enplanements is greater than 12.7 percent.
- Nationally, 11 of California's Commercial Service airports rank in the top 100 Primary Airports (Rank is based on CY 2016 enplanements: LAX-2<sup>nd</sup>; SFO-7<sup>th</sup>; SAN-27<sup>th</sup>; OAK-36<sup>th</sup>; SJC-40<sup>th</sup>; SNA-41<sup>st</sup>; SMF-42<sup>nd</sup>; ONT-60<sup>th</sup>; BUR-61<sup>st</sup>; LGB-78<sup>th</sup>; PSP-87<sup>th</sup>)

## Air Cargo<sup>2&3</sup>

- In CY 2016, **4.4 million U.S. Tons** of air cargo moved through 24 Commercial and GA airports, and the FAA AIP Cargo Airport Entitlement Program awarded **\$10 million** in federal FY 2016 to ten California airports.
- Fifteen California airports' share of U.S. Landed Weight: **8.2 million U.S. Tons**, or **10.5 percent** (Rank is based on CY 2016 landed weight: LAX-6<sup>th</sup>; OAK-11<sup>th</sup>; ONT-12<sup>th</sup>; SFO-21<sup>st</sup>; SAN-35<sup>th</sup>; MHR-63<sup>rd</sup>; SMF-70<sup>th</sup>; SJC-80<sup>th</sup>; SCK-95<sup>th</sup>; LGB-102<sup>nd</sup>; FAT-117<sup>th</sup>; RIV-128<sup>th</sup>; SBD-129<sup>th</sup>; CIC-132<sup>nd</sup>; VNY-136<sup>th</sup>)
- The top four California airports accounted for 85.1 percent of the states reported landing weight.
- For more detailed goods movement related information of the transportation system near the airports reporting cargo go to the Freight Planning Branch website: <http://www.dot.ca.gov/hq/tpp/offices/ogm/factsheets.html>

## Certified Pilots and Registered Aircraft<sup>4</sup>

- General Aviation (GA) operations account for approximately four of every five aircraft operations.
- FAA Registered Aircraft (January 2018): **28,402** (9.3 percent of the U.S. total)
- FAA Certified Pilots (2016): **58,008** (11% of the U.S. total)

## Aviation's Economic Impact<sup>5</sup>

- Contribution to the U.S. Gross Domestic Product (GDP): **\$175.7 billion** (4.2 percent of the U.S. GDP)
- Contribution to the U.S. employment: **1.1 million jobs** (4.8 percent of Aviation Related Jobs)
- California leads the nation in economic output (\$ in billions): [“\*” indicates 1<sup>st</sup> in the U.S.] Value of Air Freight Flow (\$113.2); Visitor Expenditures\* (\$89.5); Travel Arrangements\* (\$2.5); Airport Operations\* (\$8.4); Airline Operations\* (\$33.4);
- California ranks in the top five States in the U.S.: Aircraft, Engines, Parts & Avionics Manufacturing (\$31.8); R&D (3.8); & Air Couriers (\$4.9)
- Impact of FAA Spending in California: **\$1.6 billion; 10,473 jobs** [2<sup>nd</sup> only to Tennessee]

## Aviation's Emergency Preparedness Facilities<sup>6</sup>

- Aside from ensuring aviators have a safe take-off and landing location, California's 243 public airports are potential staging areas for emergency response activities in the case of any major catastrophic event. By example, lifesaving operations conducted by Search and Rescue and firefighting agencies rely on aircraft to transport equipment and supplies, personnel deployment – smokejumpers and rappellers, as well as to provide reconnaissance, etc.
- In California, U.S. Forest Service, Fire and Aviation Management coordinates 9 Federal Firefighting Airtanker Bases, 3 Airtanker Reload Bases and 20 Helibases. More information is available from the Forest Service website: <http://www.fs.fed.us/fire/aviation/>
- In support of ground forces, Cal Fire coordinates State owned firefighting air fleet with 13 air attack and nine helitack bases strategically located to provide air support within 20 minutes.
- During an emergency, the California National Guard can be activated as a supplemental resource to bring in additional aviation resources on an as needed basis.

### Sources:

<sup>1</sup>Caltrans and the 2017 Federal Aviation Administration's National Plan of Integrated Airport Systems; March ARB is the only Joint Use\* facility (\*Joint Use = March Inland Port Airport Authority is granted access to March Air Reserve Base runway for civil operations without the need for the aircraft operator to provide prior notification of landing or take-off during normal air traffic control tower operating hours.)

<sup>2</sup>FAA 2016 CY ACAIS Boarding & CY All-Cargo Data Reports; FAA Fiscal Year 2016 AIP Entitlements Programs and the Division of Aeronautics

<sup>3</sup>Air Cargo Mode Choice and Demand Study, July 2010 by TranSystems [http://www.dot.ca.gov/hq/tpp/offices/ogm/key\\_reports\\_files/Air\\_Cargo\\_Mode\\_Choice\\_&Demand\\_Study\\_080210.pdf](http://www.dot.ca.gov/hq/tpp/offices/ogm/key_reports_files/Air_Cargo_Mode_Choice_&Demand_Study_080210.pdf)

<sup>4</sup>FAA 2016 Estimated Active Airmen Certificates held as of December 31.

<sup>5</sup>The Economic Impact of Civil Aviation on the U.S. Economy (2017) - excludes 52 non-NPIAS airports <http://www.faa.gov>; GAMA Contribution of General Aviation to the US Economy (February 2015)

<sup>6</sup>U.S. Forest Service, Fire and Aviation Management: <http://www.fs.fed.us/fire/aviation/>; Cal Fire: [http://www.fire.ca.gov/fire\\_protection/fire\\_protection\\_air\\_program](http://www.fire.ca.gov/fire_protection/fire_protection_air_program)

**Federal Aviation Administration (FAA)**

The Airport and Airway Trust Fund (AATF) enacted total for federal FY 2016 is \$16.3 billion for operations; facilities and equipment; research, engineering & development; and airport grants.

(AATF Fact Sheet January 2017- includes sequestration)

The FAA Airport Improvement Program (AIP) approved \$262.2 million in federal FY 2016 grants to California’s airports.

AIP Grant by Service Level	# of Grants	Amount Awarded
Primary & Commercial Service	38	\$202,471,516
Reliever	26	\$23,321,183
General Aviation	78	\$36,411,793
	142	\$262,204,492
Current year grants only		

**California Aid to Airports Program (CAAP) Grants FY 2016/17: \$3.98 million**

- State AIP Matching Grants (48): \$1.43 million
- Annual Credit Grants (144 of 149): \$1.44 million
- Acquisition and Development Grants (4): \$1.11 million
- The Division proposes to transfer \$4.0 million/year for the next 3-4 years to ensure adequate CAAP funding.

**California Aviation System Plan (CASP)**

- The 2017 Capital Improvement Plan (CIP) element total estimated project cost was \$2.77 billion – [\$1.27 billion at General Aviation airports and \$1.50 billion at Commercial Service airports (2017-2026 CIP)]
- The 2017 CIP was published August 2017.

**Historical Record of CA General Aviation Fuel Sales & State Excise Tax Revenue**

Fiscal Year	AvGas <sup>1</sup>	Jet Fuel <sup>2</sup>	Combined Aviation Fuel	Aeronautics Account Revenue <sup>5</sup>		
	Gallons Sold	Gallons Sold	Gallons Sold	Avgas	Jet Fuel	Annual Total
	(in millions)	(in millions)	(in millions)			
2000-01	27.9	133.2	<b>161.1</b>	\$5,030,000	\$2,664,000	<b>\$7,694,000</b>
2001-02	28.8	120	<b>148.8</b>	\$5,200,000	\$2,400,000	<b>\$7,600,000</b>
2002-03	28.1	122.6	<b>150.7</b>	\$5,100,000	\$2,452,000	<b>\$7,552,000</b>
2003-04	27.3	135.7	<b>163.0</b>	\$4,922,000	\$2,832,000	<b>\$7,754,000</b>
2004-05	23.6	144.3	<b>167.9</b>	\$4,858,000	\$2,763,000	<b>\$7,622,000</b>
2005-06	25.8	149.2	<b>175.0</b>	\$4,408,000	\$3,001,000	<b>\$7,409,000</b>
2006-07	24.7	149.8	<b>174.5</b>	\$2,006,000	\$5,284,000	<b>\$7,290,000</b>
2007-08	28.9	152.7	<b>181.6</b>	\$3,831,000	\$3,627,000	<b>\$7,458,000</b>
2008-09	19.2	123.8	<b>143.0</b>	\$4,457,000	\$2,774,000	<b>\$7,232,000</b>
2009-10	19.6	112.3	<b>131.9</b>	\$3,459,000	\$1,729,000	<b>\$5,188,000</b>
2010-11	16.9	116.9	<b>133.8</b>	\$3,174,000	\$2,371,000	<b>\$5,545,000</b>
2011-12	17.3	125.8	<b>143.1</b>	\$3,114,000	\$2,497,000	<b>\$5,611,000</b>
2012-13	16.3	132.0	<b>148.3</b>	\$2,871,000	\$2,370,000	<b>\$5,241,000</b>
2013-14	15.9	127.7	<b>143.6</b>	\$2,944,000	\$2,801,000	<b>\$5,745,000</b>
2014-15	16.5	135.6	<b>113.5</b>	\$3,009,959	\$2,471,821	<b>\$5,481,780</b>
2015-16	16.3	155.7	<b>172.0</b>	\$3,030,804	\$2,946,769	<b>\$5,977,573</b>
2016-17	14.9	165.9	<b>180.8</b>	\$2,697,783	\$3,366,306	<b>\$6,064,089</b>
2017-18 <sup>3&amp;4</sup>	4.2	43.2	<b>47.4</b>	\$1,203,336	\$1,725,436	<b>\$2,928,772</b>
<b>Current Fuel Tax Rates:</b>	<sup>1</sup> \$0.18/gallon	<sup>2</sup> \$0.02/gallon				

<sup>1&2</sup> Sources: Taxable Aviation Gasoline (AvGas) and Jet Fuel Gallons 10-Year Reports (California Department of Tax and Fee Administration)

<sup>3</sup> AvGas and Jet Fuel U.S. Gallons Reported Sold [1st Quarter FY 2017/18 (July - September)]

<sup>4</sup> The State Controller’s Office (SCO) monthly revenue transfers to the Aeronautics Account [1st & 2nd Quarter FY 2017/18 (July - December)]

<sup>5</sup> Source: SCO monthly reports of transfers to the Aeronautics Account per Revenue and Taxation Code Section 8352.3 (a).



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