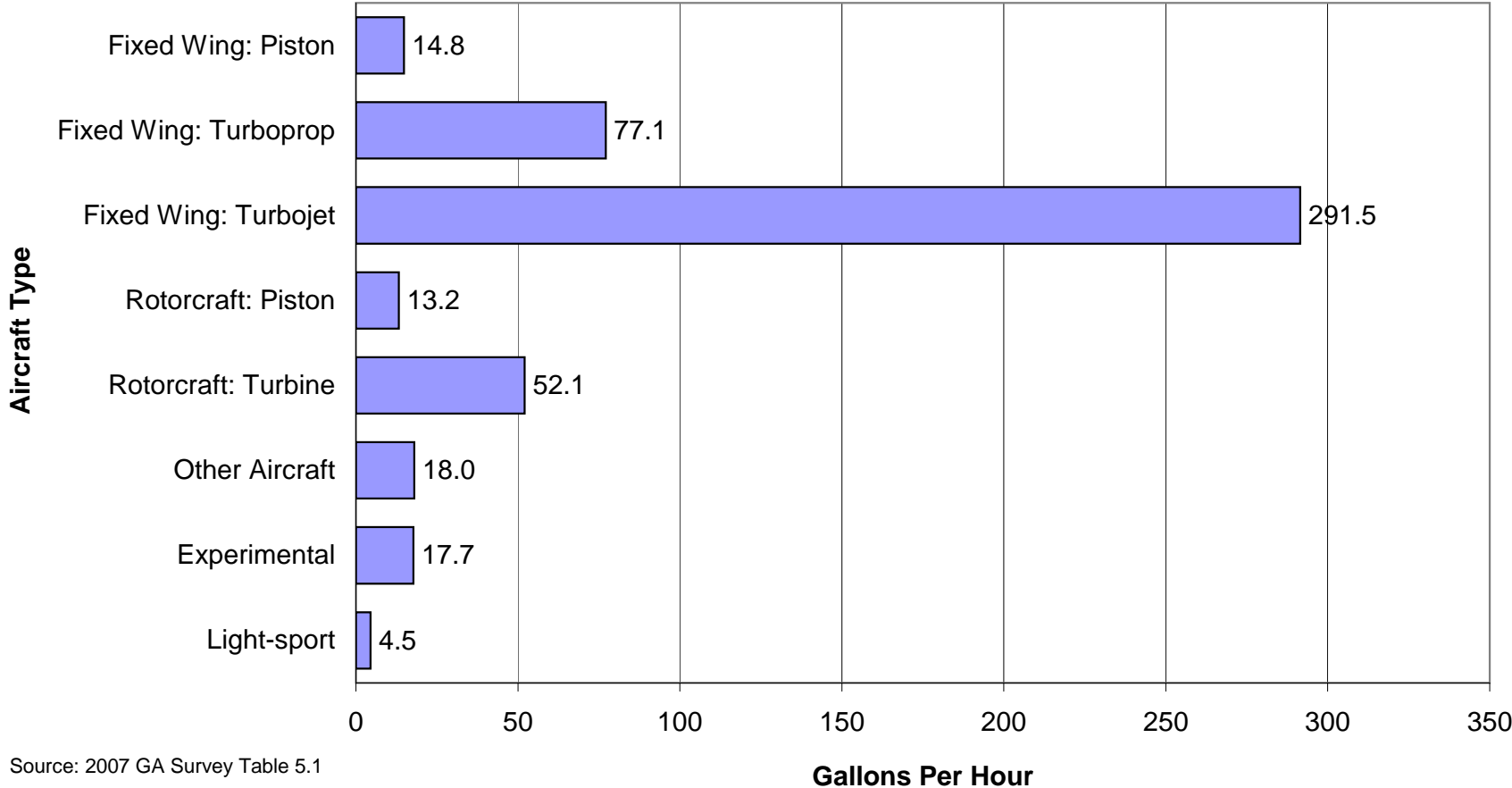


**Chart 8**  
**2007 Average Fuel Consumption Rates by Aircraft Type**



Source: 2007 GA Survey Table 5.1

Table 5.1

**2007 GENERAL AVIATION AND AIR TAXI *TOTAL FUEL CONSUMED AND  
AVERAGE FUEL CONSUMPTION RATE* BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Jet Fuel: Turbine			Aviation Fuel: 100-Low Lead			Aviation Fuel: 100 Octane		
	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error
Fixed Wing: Piston	57.7	5,222.1	21.3	14.4	256,800.2	3.8	21.0	21,289.0	8.3
Fixed Wing: Turboprop	86.1	202,704.1	1.6	33.4	13,550.9	6.8	26.1	223.3	14.6
Fixed Wing: Turbojet	291.7	1,133,627.7	1.1	198.3	1,088.8	14.4	*	*	*
Rotorcraft: Piston	27.0	498.8	10.4	13.0	7,272.1	3.5	11.6	561.8	14.1
Rotorcraft: Turbine	56.0	141,567.8	3.1	22.8	3,829.2	7.8	15.5	37.3	43.6
Other Aircraft	*	*	*	8.0	26.8	*	*	*	*
Experimental	150.2	32,744.7	8.5	11.1	9,371.9	6.0	11.7	447.0	14.1
Light-sport	75.0	10.7	0	5.4	221.7	3.6	4.7	14.9	21.3
<b>Total All Aircraft</b>	<b>162.3</b>	<b>1,516,375.9</b>	<b>1.1</b>	<b>14.3</b>	<b>292,161.6</b>	<b>2.9</b>	<b>20.1</b>	<b>22,573.3</b>	<b>6.5</b>

## Table Notes:

Beginning in 2004, commuter activity is excluded from all estimates. 2003 and prior, commuter activity was included in the Air Taxi use category.

Columns may not add to totals due to rounding procedures.

An asterisk indicates no active aircraft of that type reporting use of the fuel.

Note that the fuel types are split across pages so that more detail can be reported.

Estimated number of light-sport aircraft has increased significantly in 2007 due to mandatory regulation process changes.

Table 5.1

**2007 GENERAL AVIATION AND AIR TAXI *TOTAL FUEL CONSUMED AND  
AVERAGE FUEL CONSUMPTION RATE* BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Automotive Gasoline			Other Fuel			Total Fuel Use		
	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error	Average Rate GPH	Estimated Fuel Use (thous gal)	Percent Standard Error
Fixed Wing: Piston	9.6	6,719.8	16.8	9.9	302.9	17.5	14.8	290,506.4	3.5
Fixed Wing: Turboprop	*	*	*	*	*	*	77.1	216,478.3	1.6
Fixed Wing: Turbojet	*	*	*	*	*	*	291.5	1,134,269.7	1.1
Rotorcraft: Piston	8.7	17.5	36.5	*	*	*	13.2	8,370.0	3.3
Rotorcraft: Turbine	*	*	*	*	*	*	52.1	145,434.3	3.0
Other Aircraft	*	*	*	18.0	1,967.9	5.9	18.0	1,994.7	6.0
Experimental	5.6	969.5	3.7	10.7	61.0	14.0	17.7	43,596.6	8.4
Light-sport	4.4	999.8	3.9	3.7	11.8	11.2	4.5	1,258.9	3.2
<b>Total All Aircraft</b>	<b>7.1</b>	<b>8,706.6</b>	<b>4.3</b>	<b>16.6</b>	<b>2,343.5</b>	<b>5.0</b>	<b>31.1</b>	<b>1,841,908.9</b>	<b>2.4</b>

## Table Notes:

Beginning in 2004, commuter activity is excluded from all estimates. 2003 and prior, commuter activity was included in the Air Taxi use category.

Columns may not add to totals due to rounding procedures.

An asterisk indicates no active aircraft of that type reporting use of the fuel.

Note that the fuel types are split across pages so that more detail can be reported.

Estimated number of light-sport aircraft has increased significantly in 2007 due to mandatory regulation process changes.