

Chapter 7

Fleet Vehicles and Characteristics

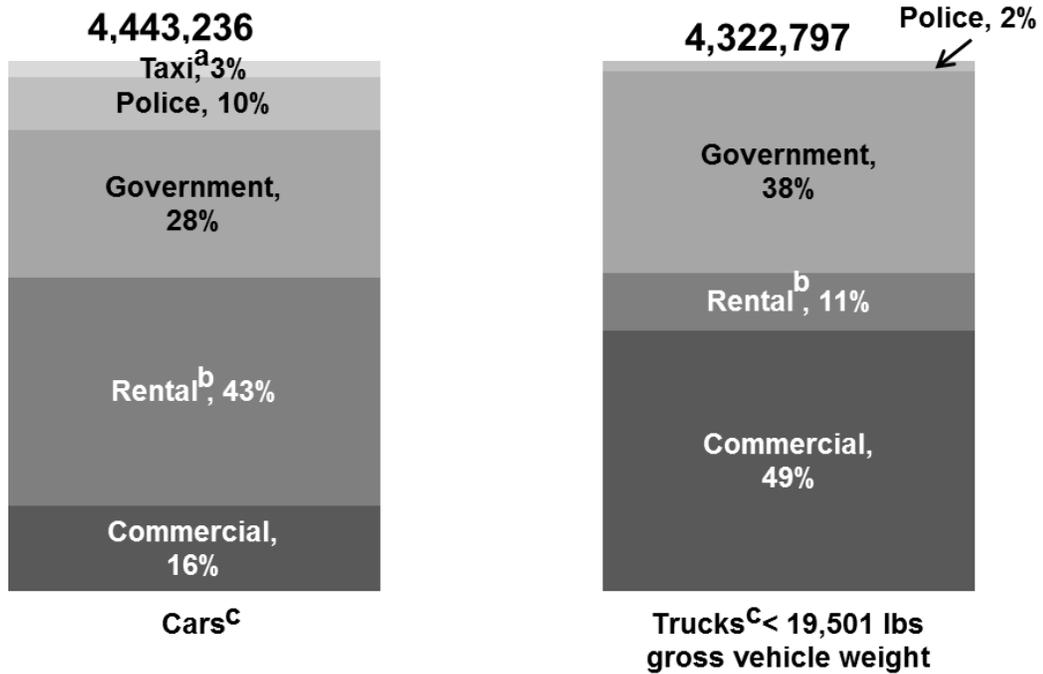
Summary Statistics from Tables in this Chapter

Source		
Figure 7.1	Fleet cars, 2014	4,443,236
Figure 7.1	Fleet trucks \leq 19,500 lbs. GVW, 2014	4,322,797
Table 7.3	Average annual miles per business fleet vehicle	
	<i>SUVs</i>	27,816
	<i>Intermediate cars</i>	25,068
	<i>Pickup trucks</i>	25,824
Figure 7.2	Average annual miles per Federal Government fleet vehicle, 2013	
	<i>Sedans</i>	10,598
	<i>SUVs</i>	9,686
	<i>Buses</i>	7,923
	<i>Heavy trucks</i>	6,760
	<i>Medium trucks</i>	6,547
	<i>Light trucks</i>	6,237
	<i>Ambulances</i>	6,078
Table 7.4	Federal government vehicles, FY 2013	635,748
	<i>Light trucks (<8,500 lbs. GVW)</i>	278,716
	<i>Cars and other passenger vehicles</i>	235,624
	<i>Medium trucks (8,500–26,000 lbs. GVW)</i>	77,325
	<i>Heavy trucks (>26,000 lbs. GVW)</i>	34,624
	<i>Buses and ambulances</i>	9,549



Vehicles in fleets of 15 or more are counted as fleet vehicles, as well as vehicles in fleets where five or more vehicles are purchased annually. Historical data on fleets are not available due to definitional changes of what constitutes a fleet.

Figure 7.1. Fleet Vehicles in Service as of January 1, 2014



Source:

Bobit Publishing Company, Automotive Fleet Research Department, *Automotive Fleet Factbook 2014*, Redondo Beach, CA, 2015. (Additional resources: www.fleet-central.com)

^a Taxi category includes taxis that are vans in addition to cars.

^b Rental category includes vans and sports utility vehicles under cars, not trucks.

^c Fleets of 15 or more in operation or 5 or more fleet vehicles purchased annually.



Rental companies had the largest light fleet vehicle registrations in 2013 with over 1.6 million new vehicles, most of them cars (60.8%). Only 28.2% of the new commercial fleet registrations were cars.

Table 7.1
New Light Fleet Vehicle Registrations by Vehicle Type, Calendar Year 2013

	Commercial	Rental	Government	Total
Cars	28.2%	60.8%	33.4%	50.3%
Pickup trucks	31.5%	5.0%	25.5%	13.4%
Vans	19.3%	9.3%	13.7%	12.2%
Sport utility vehicles	21.0%	24.9%	27.4%	24.1%
Total	641,990	1,615,421	170,027	2,247,438

Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2014*, www.automotive-fleet.com/statistics. (Additional resources: www.fleet-central.com)

Table 7.2
Average Length of Time Commercial Fleet Vehicles Are in Service, 2013

Vehicle type	Average months in service
Compact cars	44
Intermediate cars	34
Pickup trucks	49
Minivans	41
Sport utility vehicles	33
Full-size vans	55

Note: Based on data collected from four leading Fleet Management companies.

Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2014*, www.automotive-fleet.com. (Additional resources: www.fleet-central.com)

Table 7.3
Average Annual Vehicle-Miles of Travel for Commercial Fleet Vehicles, 2013

Business fleet vehicles	Average annual miles of travel
Compact cars	24,876
Intermediate cars	25,068
Pickup trucks	25,824
Minivans	27,864
Sport utility vehicles	27,816
Full-size vans	30,204

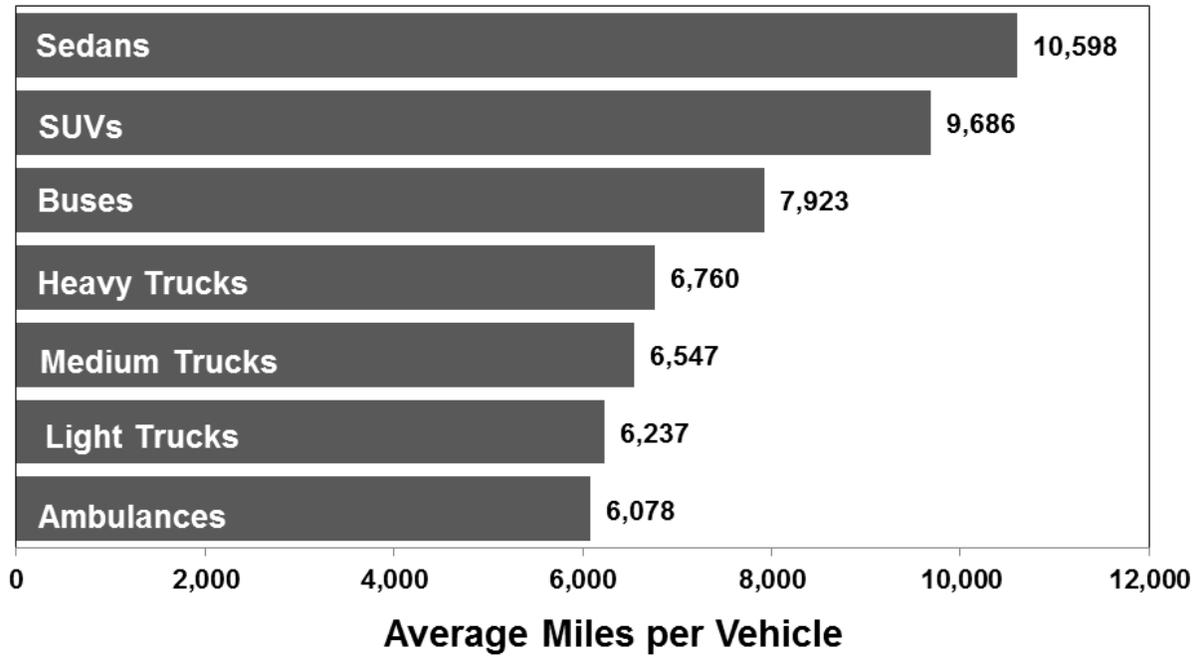
Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2014*, www.automotive-fleet.com. (Additional resources: www.fleet-central.com)



These data, which apply to domestic Federal fleet vehicles, indicate that sedans now have the highest average annual miles per vehicle, followed closely by sport utility vehicles (SUVs) and buses.

Figure 7.2. Average Miles per Domestic Federal Vehicle by Vehicle Type, 2013



Note: Light trucks = less than 8,500 pounds gross vehicle weight ratio (GVWR).
 Medium trucks = 8,501-23,999 pounds GVWR.
 Heavy trucks = 24,000 pounds GVWR or more.

Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2013 Federal Fleet Report*, Washington, DC, 2014, Table 4-2. (Additional resources: www.gsa.gov)



The Federal Government vehicle inventory includes more light trucks than passenger vehicles.

Table 7.4
Federal Government Vehicles, 2001-2013

Vehicle Type	2001	2005	2007	2008	2009	2010	2011	2012	2013
Passenger vehicles									
Low-speed vehicle	0	0	0	0	0	3,029	3,869	3,893	3,729
Subcompact	5,462	2,401	1,968	3,058	5,935	6,797	10,658	13,867	20,368
Compact	60,938	58,284	48,495	41,482	36,662	46,489	49,657	47,999	41,564
Midsized	36,921	36,656	48,622	55,157	57,284	48,242	38,057	33,321	30,659
Large	11,107	15,966	11,907	10,679	10,230	10,063	9,146	8,571	6,753
Limousines	116	191	217	238	349	412	158	130	123
Light duty passenger vans	56,563	42,109	43,203	43,131	41,855	41,676	40,964	39,518	38,409
Medium duty passenger vans	727	13,252	15,231	15,696	15,362	15,218	16,633	15,740	14,115
Light duty SUVs	40,842	50,445	53,837	56,329	64,793	66,316	68,807	73,356	70,371
Medium duty SUVs	0	6,096	7,733	10,837	7,344	11,117	11,448	9,405	9,533
Total passenger vehicles	212,676	225,400	231,213	236,607	239,814	249,359	249,397	245,800	235,624
Trucks and other vehicles									
Light trucks 4x2	227,937	243,477	243,720	243,143	244,022	241,011	238,261	233,629	231,886
Light trucks 4x4	29,975	35,417	40,115	34,962	36,713	40,105	47,035	48,690	46,830
Medium trucks	88,993	83,747	84,414	88,509	89,052	89,253	81,791	78,630	77,325
Heavy trucks	27,988	35,230	32,492	32,752	32,629	32,760	33,951	33,642	34,624
Ambulances	1,819	1,580	1,982	1,474	1,433	1,480	1,445	1,401	1,363
Buses	6,726	7,837	8,297	8,044	8,040	8,186	7,978	8,269	8,186
Total trucks and other vehicles	383,438	407,288	411,020	408,884	411,889	412,795	410,461	404,261	400,124
GRAND TOTAL ALL VEHICLES	596,114	632,688	642,233	645,491	651,703	662,154	659,858	650,061	635,748

Note: Light trucks = less than 8,500 pounds gross vehicle weight rating (GVWR).

Medium trucks = 8,501-23,999 pounds GVWR.

Heavy trucks = 24,000 pounds GVWR or more.

Source:

U.S. General Services Administration, Federal Supply Service, *FY 2013 Federal Fleet Report*, Washington, DC, 2014, Tables 2-5 and 2-6. (Additional resources: www.gsa.gov)



Table 7.5
Federal Fleet Vehicle Acquisitions
by Fuel Type, FY 2002–2013

Fuel type	Acquisitions by year							
	2002	2005	2007	2009	2010	2011	2012	2013
Gasoline	44,850	41,247	32,089	31,782	26,547	20,785	15,660	15,994
Gasoline hybrid	^a	222	458	3,959	4,853	3,787	1,254	1,364
Gasoline LGHG ^b	0	0	0	0	0	601	745	369
Gasoline plug-in hybrid	0	0	0	0	0	6	144	258
Diesel	8,107	6,049	5,809	4,742	4,136	4,422	4,383	4,625
Diesel hybrid	^c	1	4	4	27	50	36	51
Diesel LGHG ^b	0	0	0	0	0	14	10	0
CNG	1,267	188	129	77	60	84	106	123
E-85	8,054	16,892	26,581	27,850	26,789	24,785	24,214	21,644
Electric	7	13	7	7	1,376	450	258	284
LNG	3	0	0	0	0	0	0	0
LPG	59	1	4	23	2	11	15	23
M-85	25	0	0	0	0	0	0	0
Hydrogen	0	0	0	1	4	4	0	2
Grand total	62,372	64,613	65,081	68,445	63,794	54,999	46,825	44,737

Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2013 Federal Fleet Report*, Washington, DC, 2014, Table 5-4. (Additional resources: www.gsa.gov)

Table 7.6
Fuel Consumed by Federal Government Fleets, FY 2000–2013
(thousand gasoline equivalent gallons)

	FY00	FY05	FY07	FY09	FY10	FY11	FY12	FY13
Gasoline	284,480	300,261	293,848	301,437	322,023	321,066	302,089	295,076
Diesel	70,181	53,363	74,806	76,456	75,329	78,252	73,228	67,332
CNG	865	1,245	889	499	504	436	421	369
Electricity	1	6	5	4	36	90	85	88
Biodiesel (B20)	569	8,052	9,515	7,393	8,258	7,696	6,353	5,619
Biodiesel (B100) ^d	0	0	0	5	0	61	344	358
Methanol/M-85	14	0	0	0	0	0	0	0
LPG	34	231	322	208	195	187	211	257
Ethanol/E-85	347	3,060	3,854	7,923	8,201	9,521	12,261	14,158
LNG	0	102	95	35	0	0	0	0
Hydrogen	0	0	0	0	1	0	1	0
Total	356,491	366,320	383,334	393,961	414,548	417,308	394,994	383,257

Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2013 Federal Fleet Report*, Washington, DC, 2014, Table 5-1. (Additional resources: www.gsa.gov)

^a Combined with gasoline.

^b Low greenhouse gas emissions.

^c Combined with diesel.

^d B100 cannot be separated from B20 from 2000-2007.



In FY2000, the General Services Administration owned 143,948 vehicles which they leased to other agencies. In FY2013, they owned 1,040 vehicles.

Table 7.7
Federal Government Vehicles by Agency, FY 2013

Department or agency	Cars	Buses	Light trucks	Medium trucks	Heavy trucks	Total
CIVILIAN						
American Battle Monuments Commission	29	0	9	5	0	43
Broadcasting Board of Governors	70	8	41	23	18	160
Consumer Product Safety Commission	92	0	3	1	0	96
Court Services and Offender Supervision Agency	75	0	1	0	0	76
Department of Agriculture	14,073	79	16,533	7,411	2,297	40,393
Department of Commerce	1,237	5	341	321	44	1,948
Department of Education	95	0	0	0	0	95
Department of Energy	4,621	167	3,328	3,815	2,197	14,128
Department of Health and Human Services	3,625	15	581	281	118	4,620
Department of Homeland Security	39,052	408	9,504	3,903	1,223	54,090
Department of Housing and Urban Development	381	0	1	0	0	382
Department of Justice	34,551	235	3,926	1,293	1,045	41,050
Department of Labor	3,256	306	308	194	26	4,090
Department of State	9,160	154	1,596	1,374	732	13,016
Department of the Interior	11,024	427	8,753	8,699	3,347	32,250
Department of Transportation	4,245	4	730	1,012	153	6,144
Department of the Treasury	3,389	1	117	7	9	3,523
Department of Veterans Affairs	13,558	848	1,911	911	735	17,963
Environmental Protection Agency	784	7	84	136	28	1,039
Equal Employment Opportunity Commission	80	0	1	0	0	81
Federal Communications Commission	95	0	2	0	0	97
Federal Housing Finance Agency	6	0	0	0	0	6
Federal Maritime Commission	8	0	0	0	0	8
Federal Trade Commission	2	0	0	1	0	3
General Services Administration	951	3	58	24	4	1,040
Government Printing Office	12	0	19	6	5	42
Library of Congress	7	1	0	0	5	13
National Aeronautics and Space Administration	1,508	88	677	722	364	3,359
National Archives & Records Administration	40	0	4	11	8	63
National Gallery of Art	5	0	2	2	1	10
National Labor Relations Board	36	0	0	0	0	36
National Science Foundation	181	13	91	176	100	561
National Transportation Safety Board	5	0	0	0	0	5
Nuclear Regulatory Commission	28	0	1	0	5	34
Office of Personnel Management	1,518	0	1	2	0	1,521
Peace Corps	553	18	60	0	0	631
Pretrial Services Agency for the Dist of Columbia	2	0	0	0	0	2
Small Business Administration	152	0	2	1	0	155
Smithsonian Institution	236	8	192	59	38	533
Social Security Administration	435	5	5	6	22	473
Tennessee Valley Authority	1,065	0	602	1,056	41	2,764
US Agency for International Development	517	8	58	13	11	607
TOTAL CIVILIAN AGENCIES	150,759	2,808	49,542	31,465	12,576	247,150
MILITARY						
Corps of Engineers, Civil Works	2,581	1	2,684	1,832	671	7,769
Defense Agencies	4,272	161	634	638	466	6,171
Department of Air Force	11,510	1,601	12,985	14,944	6,117	47,157
Department of Army	33,102	2,228	12,460	12,150	5,464	65,404
Department of Navy	17,571	914	10,407	7,211	3,062	39,165
United States Marine Corps	6,941	464	2,283	1,804	1,271	12,763
TOTAL MILITARY AGENCIES	75,977	5,369	41,453	38,579	17,051	178,429
U. S. POSTAL SERVICE	8,888	9	187,721	7,191	4,997	208,806
TOTAL ALL FLEETS	235,624	8,186	278,716	77,235	34,624	634,385

Note: Light trucks – Less than 8,500 pounds gross vehicle weight ratio (GVWR) (Includes ambulances). Medium trucks – 8,501—23,999 pounds GVWR. Heavy trucks – 24,000 pounds GVWR or more. Does not include low-speed vehicles.

Source:

U.S. General Services Administration, Federal Supply Service, *FY 2013 Federal Fleet Report*, Washington, DC, 2014, Table 2-1.
(Additional resources: www.gsa.gov)



