

Chapter 7

Fleet Vehicles and Characteristics

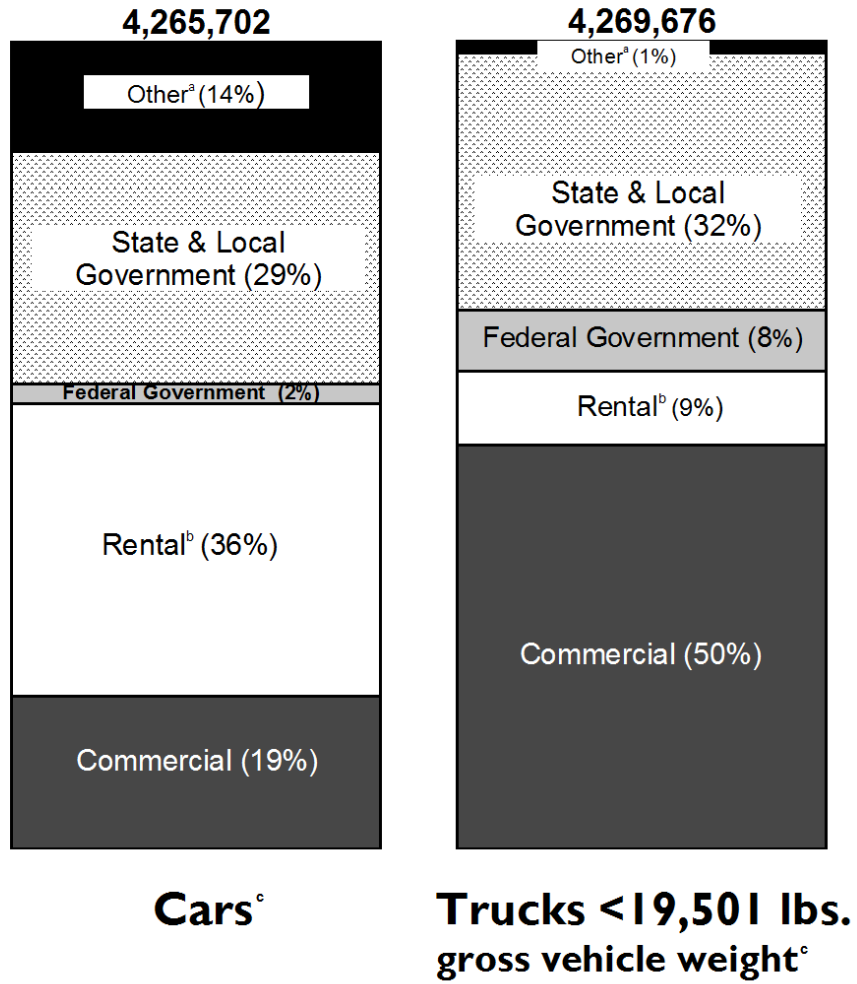
Summary Statistics from Tables in this Chapter

Source		
Figure 7.1	Fleet cars, 2011	4,265,702
Figure 7.1	Fleet trucks \leq 19,500 lbs. GVW, 2010	4,269,676
Table 7.3	Average annual miles per business fleet vehicle	
	<i>Pickup trucks</i>	27,396
	<i>SUVs</i>	26,916
	<i>Intermediate cars</i>	24,384
Figure 7.2	Average annual miles per Federal Government fleet vehicle, 2011	
	<i>Sedans</i>	11,070
	<i>SUVs</i>	9,961
	<i>Buses</i>	9,784
	<i>Heavy trucks</i>	7,932
	<i>Medium trucks</i>	7,008
	<i>Light trucks</i>	6,516
	<i>Ambulances</i>	5,689
Table 7.4	Federal government vehicles, FY 2011	655,989
	<i>Light trucks (<8,500 lbs. GVW)</i>	285,296
	<i>Cars and other passenger vehicles</i>	245,528
	<i>Medium trucks (8,500–26,000 lbs. GVW)</i>	81,791
	<i>Heavy trucks (>26,000 lbs. GVW)</i>	33,951
	<i>Buses and ambulances</i>	9,423



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, 2011



Source:

Bobit Publishing Company, Automotive Fleet Research Department, *Automotive Fleet Factbook 2010-2011*, Redondo Beach, CA, 2012. (Additional resources: www.fleet-central.com)

^a Taxi category includes vans.

^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 made the largest light fleet vehicle registrations in 2010 buying over 1.5 million vehicles, most of them cars (62.5%). Only 30.3% of the new commercial fleet registrations were cars.

Table 7.1
New Light Fleet Vehicle Registrations by Vehicle Type, Model Year 2010

	Commercial	Rental	Government	Total
Cars	30.3%	62.5%	41.1%	53.2%
Pickup trucks	28.6%	3.6%	25.1%	11.2%
Vans	19.6%	14.0%	17.8%	15.6%
Sport utility vehicles	21.5%	19.8%	16.0%	19.9%
Total	528,169	1,549,903	186,680	2,264,752

Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2010-2011*, www.automotive-fleet.com/statistics.
(Additional resources: www.fleet-central.com)

Table 7.2
Average Length of Time Commercial Fleet Vehicles are in Service, 2010

Vehicle type	Average months in service
Compact cars	33
Intermediate cars	29
Pickup trucks	41
Minivans	35
Sport utility vehicles	32
Full-size vans	45

Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2010-2011*, www.automotive-fleet.com. (Additional resources: www.fleet-central.com)

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

Table 7.3
**Average Annual Vehicle-Miles of Travel
for Commercial Fleet Vehicles, 2010**

Business fleet vehicles	Average annual miles of travel
Compact cars	24,684
Intermediate cars	24,384
Pickup trucks	27,396
Minivans	26,760
Sport utility vehicles	26,916
Full-size vans	29,616

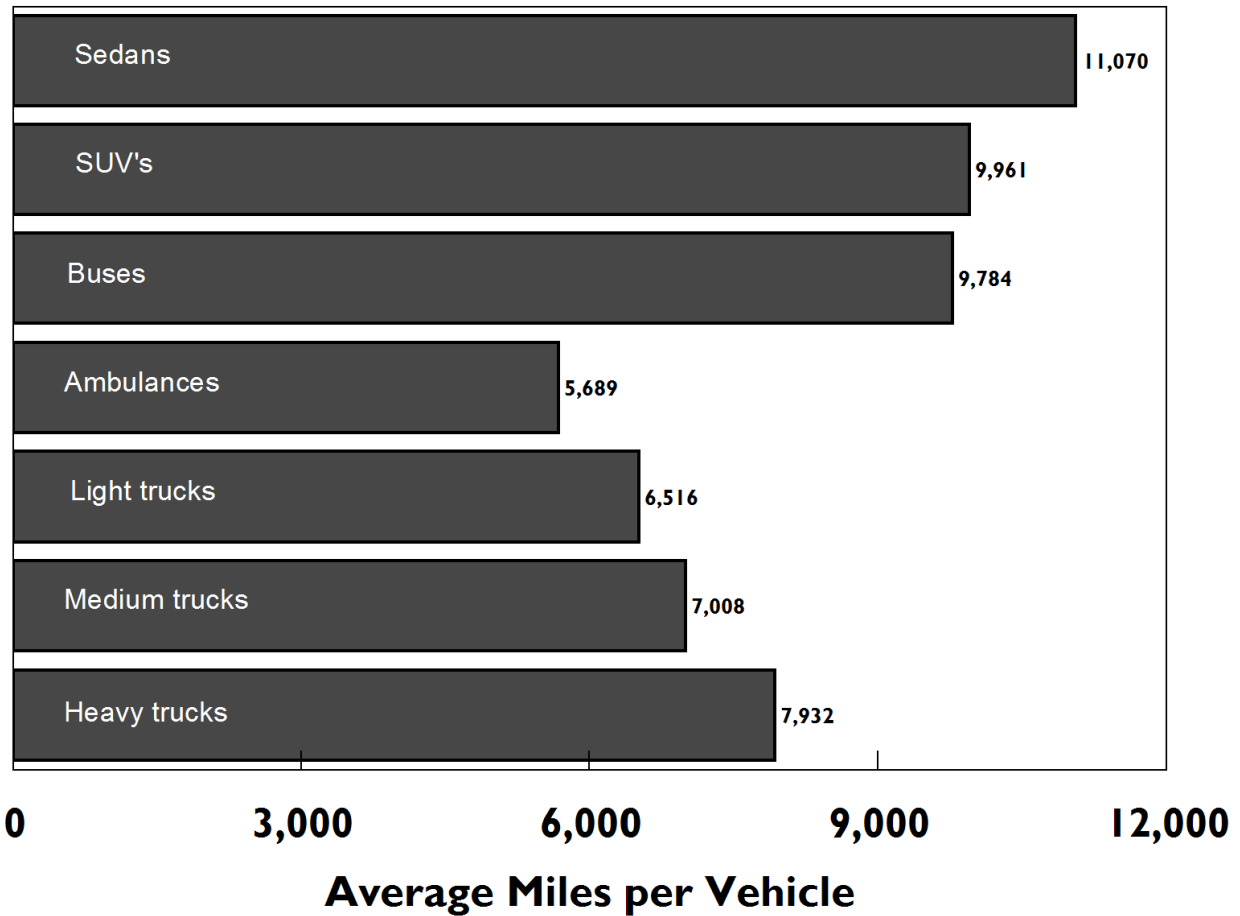
Source:

Bobit Publishing Company, *Automotive Fleet Factbook 2010-2011*, www.automotive-fleet.com. (Additional resources: www.fleet-central.com)



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

Figure 7.2. Average Miles per Domestic Federal Vehicle by Vehicle Type, 2011



Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2011 Federal Fleet Report*, Washington, DC, 2012, Table 4-2. (Additional resources: www.gsa.gov)

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.



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

Table 7.4
Federal Government Vehicles, 2001-2011

Vehicle Type	2001	2002	2005	2006	2007	2008	2009	2010	2011
Passenger vehicles									
Subcompact	5,462	4,638	2,401	2,181	1,968	3,058	5,935	6,797	10,658
Compact	60,938	57,002	58,284	56,220	48,495	41,482	36,662	46,489	49,657
Midsize	36,921	40,779	36,656	39,762	48,622	55,157	57,284	48,242	38,057
Large	11,107	11,265	15,966	11,783	11,907	10,679	10,230	10,063	9,146
Limousines	116	130	191	318	217	238	349	412	158
Light duty passenger vans	56,563	61,518	42,109	41,911	43,203	43,131	41,855	41,676	40,964
Medium duty passenger vans	727	1,701	13,252	15,657	15,231	15,696	15,362	15,218	16,633
Light duty SUVs	40,842	48,343	50,445	52,393	53,837	56,329	64,793	66,316	68,807
Medium duty SUVs	0	0	6,096	7,192	7,733	10,837	7,344	11,117	11,448
Total passenger vehicles	212,676	225,376	225,400	227,417	231,213	236,607	239,814	246,330	245,528
Trucks and other vehicles									
Light trucks 4x2	227,937	220,205	243,477	241,847	243,720	243,143	244,022	241,011	238,261
Light trucks 4x4	29,975	27,108	35,417	37,019	40,115	34,962	36,713	40,105	47,035
Medium trucks	88,993	86,949	83,747	81,721	84,414	88,509	89,052	89,253	81,791
Heavy trucks	27,988	31,426	35,230	33,383	32,492	32,752	32,629	32,760	33,951
Ambulances	1,819	1,710	1,580	1,601	1,982	1,474	1,433	1,480	1,445
Buses	6,726	7,313	7,837	7,752	8,297	8,044	8,040	8,186	7,978
Total trucks and other vehicles	383,438	374,711	407,288	403,323	411,020	408,884	411,889	412,795	410,461
GRAND TOTAL ALL VEHICLES	596,114	600,087	632,688	630,740	642,233	645,491	651,703	659,125	655,989

Source:

U.S. General Services Administration, Federal Supply Service, *FY 2011 Federal Fleet Report*, Washington, DC, 2012, Tables 2-5 and 2-6. (Additional resources: <http://www.gsa.gov>)

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.



Table 7.5
Federal Fleet Vehicle Acquisitions
by Fuel Type, FY 2002–2011

Fuel type	Acquisitions by year							
	2002	2005	2006	2007	2008	2009	2010	2011
Gasoline	44,850	41,247	37,242	32,089	30,376	31,782	26,547	20,785
Diesel	8,107	6,049	6,809	5,809	5,897	4,742	4,136	4,422
Gasoline hybrid	^a	222	516	458	531	3,959	4,853	3,787
Diesel hybrid	^b	1	0	4	0	4	27	50
CNG	1,267	188	243	129	123	77	60	84
E-85	8,054	16,892	18,168	26,581	27,792	27,850	26,789	24,785
Electric	7	13	0	7	6	7	1,376	450
LNG	3	0	0	0	0	0	0	0
LPG	59	1	0	4	3	23	2	11
M-85	25	0	0	0	0	0	0	0
Hydrogen	0	0	0	0	1	1	4	4
Grand total	62,372	64,613	62,978	65,081	64,729	68,445	63,794	54,378

Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2011 Federal Fleet Report*, Washington, DC, 2012, Table 5-4. (Additional resources: www.gsa.gov)

Table 7.6
Fuel Consumed by Federal Government Fleets, FY 2000–2011
(thousand gasoline equivalent gallons)

	FY00	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Gasoline	284,480	300,261	288,923	293,848	292,046	301,340	322,023	321,066
Diesel	70,181	53,363	47,489	74,806	72,262	75,329	75,149	78,252
CNG	865	1,245	807	889	731	499	504	436
Electricity	1	6	5	5	4	4	36	90
Biodiesel	569	8,052	8,334	9,515	6,992	7,398	8,258	8,131
Methanol/M-85	14	0	0	0	0	0	0	0
LPG	34	231	105	322	399	208	195	187
Ethanol/E-85	347	3,060	3,206	3,854	6,293	7,923	8,201	9,521
LNG	0	102	90	95	59	35	0	0
Other	0	0	0	0	0	0	0	0
Total	356,491	366,320	348,959	383,334	378,786	392,736	414,366	417,683

Source:

U.S. General Services Administrations, Federal Vehicle Policy Division, *FY 2011 Federal Fleet Report*, Washington, DC, 2012, Table 5-1. (Additional resources: www.gsa.gov)

^a Combined with gasoline.

^b Combined with diesel.



In FY2000, the General Services Administration owned 143,948 vehicles which they leased to other agencies. In FY2011, they owned 1,217 vehicles.

Table 7.7
Federal Government Vehicles by Agency, FY 2011

Department or agency	Cars	Buses	Light trucks	Medium trucks	Heavy trucks	Total
CIVILIAN						
American Battle Monuments Commission	28	0	11	8	0	47
Broadcasting Board of Governors	4	10	119	26	19	178
Consumer Product Safety Commission	71	0	33	0	0	104
Court Services and Offender Supervision Agency	53	0	20	0	0	73
Department of Agriculture	5,599	75	27,208	8,382	2,135	43,399
Department of Commerce	314	7	1,420	375	44	2,160
Department of Education	71	1	32	0	0	104
Department of Energy	768	168	7,587	3,952	2,083	14,558
Department of Health and Human Services	2,089	10	2,309	280	139	4,827
Department of Homeland Security	12,928	433	38,073	3,654	1,387	56,475
Department of Housing and Urban Development	374	0	74	0	0	448
Department of Justice	18,459	213	18,778	1,660	977	40,087
Department of Labor	1,200	304	2,391	216	30	4,141
Department of State	2,558	135	7,330	1,650	594	12,267
Department of the Interior	2,821	494	17,586	9,499	3,112	33,512
Department of Transportation	1,517	3	3,530	987	110	6,147
Department of Treasury	2,583	1	1,124	9	10	3,727
Department of Veterans Affairs	6,395	647	7,911	809	602	16,364
Environmental Protection Agency	278	7	682	110	25	1,102
Equal Employment Opportunity Commission	67	0	9	0	0	76
Federal Communications Commission	1	0	105	0	0	106
Federal Housing Finance Agency	4	0	3	0	0	7
Federal Trade Commission	1	0	2	1	0	4
General Services Administration	677	2	491	40	7	1,217
Government Printing Office	8	0	23	6	5	42
Library of Congress	8	2	7	1	7	25
National Aeronautics and Space Administration	531	91	1,640	811	367	3,440
National Archives & Records Administration	13	0	43	12	8	76
National Gallery of Art	0	0	7	2	1	10
National Labor Relations Board	35	0	3	0	0	38
National Science Foundation	31	9	189	139	41	409
Nuclear Regulatory Commission	12	0	26	0	5	43
Office of Personnel Management	1,564	0	141	2	1	1,708
Peace Corps	35	16	642	0	0	693
Small Business Administration	137	0	417	0	0	554
Smithsonian Institution	11	8	312	85	26	442
Social Security Administration	310	7	149	5	28	499
Tennessee Valley Authority	577	0	1,645	749	44	3,015
US Agency for International Development	123	8	1,006	34	24	1,195
TOTAL CIVILIAN AGENCIES	62,255	2,651	143,078	33,504	11,831	253,319
MILITARY						
Corps of Engineers, Civil Works	961	1	5,067	1,950	655	8,634
Defense Agencies	1,705	156	2,344	570	434	5,209
Department of Air Force	4,866	1,665	21,681	15,837	6,747	50,796
Department of Army	18,979	2,376	36,715	13,749	5,841	77,660
Department of Navy	7,769	621	18,426	6,845	2,692	36,353
United States Marine Corps	3,855	499	5,995	2,065	1,286	13,700
TOTAL MILITARY AGENCIES	38,135	5,318	90,228	41,016	17,655	192,352
U. S. POSTAL SERVICE	7,286	9	191,287	7,271	4,465	210,318
TOTAL ALL FLEETS	107,676	7,978	424,593	81,791	33,951	655,989

Source:

U.S. General Services Administration, Federal Supply Service, *FY 2011 Federal Fleet Report*, Washington, DC, 2012, Table 2-1. (Additional resources: www.gsa.gov)

Note: Less than 8,500 pounds gross vehicle weight ratio (GVWR) (Includes ambulances).
8,501—23,999 pounds GVWR.
24,000 pounds GVWR or more.



