

Department of Defense Alternative Fuel Usage for FY 1999 (estimate)

The Department of Defense (DoD) does not have an automated system to identify, collect, record, and report alternative fuel usage data. Developing such a system at a time when DoD is still striving to ensure that sufficient funds are available to meet mandated AFV acquisition requirements, is cost prohibitive. Manual collection of the data is also cost-prohibitive. Thus, we are able to provide only an incomplete estimate of alternative fuel used in FY 1999. One major obstacle to collecting and reporting alternative fuel usage data is that the Government Credit Card System currently is unable to collect and report detailed data, known as Level 3 data, on the types of fuel being purchased. DoD will continue to work with the General Services Administration so that in the future we will be able to obtain more complete data on the types of alternative fuel purchased with Government Credit Cards.

Fuel Use	Quantity	Cost (\$)
E85 or E100 (gallons)	3,496	\$2,779.01
M85 or M100 (gallons)	7,149	\$5,884.16
CNG (thousands of cubic feet)	1,033,542	\$671,378.80
LNG (gallons)	2,830	unknown
Propane (gallons)	721	\$638.81
Electricity (kWh)	1,807	\$1,510.92

AFV Narrative:

Alternative Fueled Vehicles (AFV)

In FY 1999, DoD acquired 2,712 AFVs. In addition, the Department received 102 extra AFV credits for acquiring medium- and heavy-duty AFVs, for a total of 2,814 AFVs and credits. The total of 2,814 AFVs and credits for FY 1999 represent an increase of 549, or 24 percent, over the FY 1998 total of 2,265 AFVs and credits included in last year's DoD report. DoD's acquisition rate for AFV increased from 32.3% in FY 1998 to 36.6% in FY 1999.

DoD is taking a number of steps in the areas of policy, management and oversight, and budget to achieve compliance with the requirements of EO 13031, "Federal Alternative Fueled Vehicle Leadership." While some obstacles, such as availability of suitable AFV models and availability of adequate alternative fuel infrastructure, remain a significant challenge, DoD is making steady progress toward meeting the requirements of EO 13031.

		Acquisitions				**Total
		Converted	Leased	Purchased	Total	Fleet
1	Total # of vehicles acquired	xxxxxx	15381	1645	17026	121095
2	Exempt as law-enforcement or national-security vehicles	xxxxxx	547	170	717	20353 ¹
3	Exempt due to geographic placement	xxxxxx	8048	574	8622	50265
4	EPAct "covered fleet" vehicles [line 1 - (line 2 + line 3)] Do not double-count vehicles in lines 2 & 3.	xxxxxx	6786	901	7687	50477
Light Duty AFVs						
5	E85 flex-fuel vehicles	0	1278	202	1480	3468
6	Dedicated ethanol vehicles	0	0	0	0	0
7	M85 flex-fuel vehicles	0	0	0	0	87
8	Dedicated methanol vehicles	0	0	0	0	0
9	CNG dual-fuel vehicles	0	719	165	884	4540
10	CNG dedicated vehicles	0	221	50	271	1071
11	LNG dual-fuel vehicles	0	0	0	0	0
12	LNG dedicated vehicles	0	0	0	0	0
13	Propane/LPG dual-fuel vehicles	0	7	0	7	50
14	Propane/LPG dedicated vehicles	0	0	0	0	1
15	Dimethyl ether dedicated vehicles	0	0	0	0	0
16	Electric vehicles (dedicated) -- ZEV	0	0	0	0	64
17	Hydrogen dedicated vehicles -- ZEV	0	0	0	0	1
18	Unknown/not identified	0	70	0	70	70
19	Subtotal of light-duty vehicles	0	2295	417	2712	9352
Credit for Medium- and Heavy-Duty AFVs						
20	# of medium-duty vehicles * 2	0	40	56	96	
21	# of heavy-duty vehicles * 3	0	3	3	6	
Extra Credit for Zero Emission Vehicles (Hydrogen and Electric Acquisitions)						
22	# of ZEVs * 1	0	0	0	0	
23	Total credits provided (line 20 + line 21 + line 22)		46	59	102	
24	Total AFVs and credits (line 19 + line 23)	0	2338	476	2814	
25	AFV percentage of EPAct covered fleet acquisitions (line 24 + line 4 * 100)				36.6%	

¹ Includes 17,000 Marine Corps high mobility multi-purpose wheeled vehicles (HMMWV). Marine Corps includes these tactical vehicles in the Report because it includes all light-duty vehicles, tactical and administrative, on one line in budget submissions.

		Acquisitions				**Total
		Converted	Leased	Purchased	Total	Fleet
1	Total # of vehicles acquired	xxxxxx	14582	1280	15862	125725
2	Exempt as law-enforcement or national-security vehicles	xxxxxx	250	166	416	22806
3	Exempt due to geographic placement	xxxxxx	7469	380	7849	51714
4	EPA Act "covered fleet" vehicles [line 1 - (line 2 + line 3)] Do not double-count vehicles in lines 2 & 3.	xxxxxx	6863	734	7597	51205
Light Duty AFVs						
5	E85 flex-fuel vehicles	0	1258	83	1341	3300
6	Dedicated ethanol vehicles	0	0	0	0	0
7	M85 flex-fuel vehicles	0	0	0	0	361
8	Dedicated methanol vehicles	0	0	0	0	0
9	CNG dual-fuel vehicles	40	788	365	1184	4875
10	CNG dedicated vehicles	0	227	30	257	1079
11	LNG dual-fuel vehicles	0	0	0	0	0
12	LNG dedicated vehicles	0	0	0	0	0
13	Propane/LPG dual-fuel vehicles	0	0	0	0	48
14	Propane/LPG dedicated vehicles	0	0	0	0	0
15	Dimethyl ether dedicated vehicles	0	0	0	0	0
16	Electric vehicles (dedicated) -- ZEV	0	0	0	0	138
17	Hydrogen dedicated vehicles -- ZEV	0	0	0	0	0
18	Subtotal of light-duty vehicles	40	2534	469	3043	9950
18A	Unknown AFV type	0	261	0	261	261
Credit for Medium- and Heavy-Duty AFVs						
19	# of medium-duty vehicles * 2	0	0	30	30	
20	# of heavy-duty vehicles * 3	0	0	0	0	
Extra Credit for Zero Emission Vehicles (Hydrogen and Electric Acquisitions)						
21	# of ZEVs * 1	0	0	0	0	
22	Total credits provided (line 19 + line 20 + line 21)	0	0	30	30	
23	Total AFVs and credits (line 18 + line 22)	40	2534	499	3073	
24	AFV percentage of EPA Act covered fleet acquisitions (line 23 line 4 * 100)				40.5%	

**Total fleet should include new acquisitions and existing vehicles for each category, (Line 1: total LDV fleet)

		Acquisitions				**Total
		Converted	Leased	Purchased	Total	Fleet
1	Total # of vehicles acquired	xxxxxx	13636	1751	15387	125718
2	Exempt as law-enforcement or national-security vehicles	xxxxxx	201	143	344	22784
3	Exempt due to geographic placement	xxxxxx	7537	497	8034	52506
4	EPAct "covered fleet" vehicles [line 1 - (line 2 + line 3)] Do not double-count vehicles in lines 2 & 3.	xxxxxx	5898	1111	7009	50428
Light Duty AFVs						
5	E85 flex-fuel vehicles	0	1063	37	1100	2355
6	Dedicated ethanol vehicles	0	0	0	0	0
7	M85 flex-fuel vehicles	0	3	0	3	445
8	Dedicated methanol vehicles	0	0	0	0	0
9	CNG dual-fuel vehicles	281	417	297	995	4436
10	CNG dedicated vehicles	31	84	16	131	936
11	LNG dual-fuel vehicles	0	0	0	0	0
12	LNG dedicated vehicles	0	0	0	0	0
13	Propane/LPG dual-fuel vehicles	0	7	0	7	49
14	Propane/LPG dedicated vehicles	0	0	0	0	0
15	Dimethyl ether dedicated vehicles	0	0	0	0	0
16	Electric vehicles (dedicated) -- ZEV	0	0	0	0	138
17	Hydrogen dedicated vehicles -- ZEV	0	0	0	0	0
18	Subtotal of light-duty vehicles	312	1574	350	2236	8359
Credit for Medium- and Heavy-Duty AFVs						
19	# of medium-duty vehicles * 2	0	0	8	8	
20	# of heavy-duty vehicles * 3	0	0	21	21	
Extra Credit for Zero Emission Vehicles (Hydrogen and Electric Acquisitions)						
21	# of ZEVs * 1	0	0	0	0	
22	Total credits provided (line 19 + line 20 + line 21)	0	0	29	29	
23	Total AFVs and credits (line 18 + line 22)	312	1574	379	2265	
24	AFV percentage of EPAct covered fleet acquisitions (line 23 ÷ line 4 * 100)				32.3%	

**Total fleet should include new acquisitions and existing vehicles for each category, (Line 1: total LDV fleet)