

DEPARTMENT OF COMMERCE

AFV REPORT
FISCAL YEAR

2007



**U.S. Department of Commerce
Fleet Alternative Fuel Vehicle Report for Fiscal Year 2007**

This is the U.S. Department of Commerce (DOC) Fleet Alternative Fuel Vehicle (AFV) Report for FY 2007, including planned acquisitions and projections for FY 2008 and FY 2009. The report has been developed in accordance with the Energy Policy Act of 1992 (EPAAct) (Public Law (P.L.) 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (P.L. 105-388) (ECRA), and Executive Order 13423, "Strengthening Federal Environmental, Energy, and Transportation Management" (72 FR 3919, signed January 24, 2007). E.O. 13423 revoked and replaced the provisions of the earlier E.O. 13149, "Greening the Government through Federal Fleet and Transportation Efficiency" (65 FR 24607, April 21, 2000).

Section 701 (42 U.S.C. 6374(a)(3)(E) of the EPACT of 2005 (P.L. 109-58, August 2005) amended EPACT of 1992 to require that agencies use alternative fuel in all dual-fuel AFVs except in vehicles for which the agency received a waiver from DOE. Implementation of this provision began during FY 2007 and DOC and other agencies requested waivers from the requirement for FY 2008. DOC will evaluate agency performance in meeting this requirement at the end of FY 2008.

Legislative Requirement

P.L. 102-486 requires 75 percent of all covered light-duty vehicles (LDVs) acquired for Federal fleets in FY 1999 and beyond to be AFVs (where the fleets have 20 or more light duty vehicles, are capable of being centrally fueled, and are operated in a metropolitan statistical area with a population of more than 250,000 based on the 1980 census). Certain emergency, law enforcement, and national defense vehicles are exempt from these requirements. EPAAct also sets a goal of using replacement fuels to displace at least 30 percent of the projected consumption of motor fuel in the United States annually by the year 2010. The Energy Conservation and Reauthorization Act of 1998 amended P.L. 102-486 to allow one alternative fuel vehicle acquisition credit for every 450 gallons of pure biodiesel fuel consumed in vehicles over 8,500 pounds gross vehicle weight rating. "Biodiesel credit" may fulfill up to 50 percent of an agency's EPAAct requirements.

The head of each Federal agency must also prepare and submit an annual report to Congress outlining the agency's AFV acquisitions and future plans. Executive Order 13423 directs Federal agencies operating a fleet of 20 or more vehicles within the United States to decrease covered petroleum consumption by 2 percent per year relative to their FY 2005 baseline through FY 2015, as well as to increase alternative fuel use by 10 percent (compounded each year) relative to their FY 2005 baseline through FY 2015.

Department of Commerce Fleet Acquisition Compliance for FY 2007

In FY 2007, the DOC exceeded the 75 percent acquisition requirement for AFVs set forth in EPAAct. DOC acquired 138 AFVs with a total 65 LDVs covered under the Act, resulting in 212% compliance for AFV acquisitions. Table 1 provides detailed

information on the number and types of LDVs leased or purchased for the Department's fleet in FY 2007.

Alternative Fuel Use by the Department of Commerce Fleet in FY 2007

Table 2 represents alternative fuel use data for the DOC fleet in FY 2007. The majority of vehicles acquired by the DOC are leased from GSA, and the leasing contract folds in the maintenance and fuel costs for the vehicles. This is accomplished by the use of a GSA credit card that the fleets use to purchase alternative fuel. However, since product code standards are not uniform among suppliers of alternative fuels (e.g., ethanol or E-85), it is impossible for credit vendors to accurately track the purchase of alternative fuels with this credit card. Guidelines have been issued to all DOC Bureaus to ensure alternative fuel is used in flex-fuel and bi-fuel AFVs at all times. The use of petroleum in AFVs has to be justified by the bureaus. The Department has identified all alternate fuel stations located within the vicinity of DOC vehicle fleets and encourages bureaus to use alternative fuel and monitors and notifies Bureau Fleet Managers of the opening of new alternative fuel stations within the vicinity of DOC fleets

Department of Commerce's EPA Act Compliance for FY 2008 and FY 2009

The AFV acquisitions for FY 2008 and FY 2009 for GSA-leased vehicles are projected to be at least 75 percent of non-exempt new vehicle acquisitions for all covered fleet locations. DOC participates in the GSA Surcharge Program, which allows GSA to assess a nominal fee on all DOC existing GSA vehicle leases. The funds accrued in this reserve are used to pay for the incremental costs incurred in purchasing AFVs for the DOC fleet. GSA has agreed to provide AFVs as replacement vehicles for GSA-leased vehicles based on replacement standards in FY 2008 and FY 2009.

Where EPA Act is applicable, DOC fleet managers have been instructed to substitute more energy efficient vehicles for their current fleet when replacements are made. All Bureaus are directed to comply with the following replacement guidelines as appropriate:

- Explore use of an alternative fuel or fuel-efficient vehicle before purchasing any new vehicle (including Exempt, Medium and Heavy Duty vehicles);
- Replace 4X4 vehicles with 4X2 vehicles;
- Replace 8-cylinder vehicles with 6-cylinder vehicles; and
- Replace large vehicles with smaller vehicles.

All Bureaus are directed to take the following actions in order to achieve EPA Act compliance:

- Report miles driven and fuel consumption (actual) on a quarterly basis with the odometer reading;
- Use alternative fuel in all AFVs and separately identify in the quarterly report;
- Train fleet managers on the use of Federal Automotive Statistical Tool (FAST);
- Verify annual data input against quarterly reports and ensure all vehicles are reported; and
- Request approval before purchasing or leasing a 4X4 or 8-cylinder vehicle.

Summary

As detailed in this report and the attachments, the Department achieved the AFV acquisition requirements of P.L. 102-486 in FY 2007. The Department will continue to purchase AFVs for those regions where alternative fuel is available. The Department participated in the GSA Surcharge Program in FY 2007. Participation in the Program allowed DOC to meet and exceed the requirement of 75 percent AFVs for FY 2007.

If you require any further information on this matter, please contact Eston Lewis at 202-482-2131 or Jennifer Jessup at 202-482-3458.

Table 1

Department of Commerce FY 2007 Vehicle Acquisitions				
Actual FY 2007 Light-Duty Vehicle Acquisitions				Total Vehicle Inventory
	Leased	Purchased	Total	
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions	190	21	211	1,594
Exemptions	Fleet Size	1	0	1
	Geographic	0	0	0
	Law Enforcement	0	9	9
	Non-MSA Operation (fleet)	0	3	3
	Non-MSA Operation (vehicles)	133	0	133
EPACT Covered Acquisitions	56	9	65	1,317
Actual FY 2007 AFV Acquisitions				Total Vehicle Inventory
Vehicle	Leased	Purchased	Total	
Sedan	E-85 Flex-Fuel Compact	2	0	2
Sedan	E-85 Flex-Fuel Midsize	21	0	21
Pickup 4x2	CNG Bi-Fuel	0	0	0
Pickup 4x2	CNG Dedicated	0	0	0
Pickup 4x2	E-85 Flex-Fuel	4	0	4
Pickup 4x4	CNG Bi-Fuel	0	0	0
Pickup 4x4	E-85 Flex-Fuel	11	0	11
SUV 4x2	E-85 Flex-Fuel	1	0	1
SUV 4x4	E-85 Flex-Fuel	27	0	27
Minivan 4x2 (Passenger)	CNG Dedicated	1	0	1
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	58	0	58
Minivan 4x2 (Cargo)	E-85 Flex-Fuel	2	0	2
Van 4x2 (Passenger)	CNG Dedicated	0	0	0
Van 4x2 (Passenger)	E-85 Flex-Fuel	1	0	1
Van 4x4 (Passenger)	E-85 Flex-Fuel	3	0	3
Van 4x2 (Cargo)	CNG Bi-Fuel	0	0	0
Van 4x2 (Cargo)	CNG Dedicated	0	0	0
Van 4x2 (Cargo)	E-85 Flex-Fuel	4	0	4
SUV MD	E-85 Flex-Fuel	2	0	2
Van MD (Passenger)	CNG Bi-Fuel	0	0	0
Van MD (Cargo)	CNG Bi-Fuel	0	0	0
Van MD (Cargo)	CNG Dedicated	0	0	0
MD 8,501-16,000 GVWR	Electric Dedicated	0	0	0
Total Number of AFV Acquisitions		137	0	137
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		1	0	1
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Actual				0
Total AFV Acquisitions with Credits		138	0	138
AFV Percentage of Covered Light-Duty Vehicle Acquisition				212 %

Table 2

The Department of Commerce Fuel Use in FY 2007		
Fuel Type	Quantity	Unit
Biodiesel-B100		Gallons
CNG	15,209	Gallons @ 2,400 psi, 70°F
+62CNG		Hundred cu. ft.
Diesel	80,834	Gallons
E-85 (ethanol)	2,880	Gallons
Gasoline	862,306	Gallons
Methanol		Gallons
Propane		Gallons