

DEPARTMENT OF COMMERCE

AFV REPORT

FISCAL YEAR

2004



U.S. Department of Commerce Fleet AFV Report for Fiscal Year 2004

This is the U.S. Department of Commerce's Fleet Alternative Fuel Vehicle (AFV) Report for FY 2004, including planned acquisitions and projections for FY 2005 and FY 2006. The report has been developed in accordance with the Energy Policy Act of 1992 (EPAAct) (Public Law 102-486) as amended by the Energy Conservation Reauthorization Act of 1998 (Public Law 105-388) (ECRA), and Executive Order 13149, Greening the Government Through Federal Fleet and Transportation Efficiency (April 2000).

Legislative Requirements

P.L. 102-486 requires that 75 percent of all covered light-duty vehicles acquired for Federal fleets in FY 1999 and beyond must 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 credits" 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 13149 directs Federal agencies operating a fleet of 20 or more vehicles within the United States to reduce their annual petroleum consumption by at least 20 percent by the end of FY 2005 (compared to FY 1999 levels) by using alternative fuels in AFVs more than 50 percent of the time, improving the average fuel economy of new light-duty petroleum-fueled vehicle acquisitions by 1 mpg by FY 2002 and 3 mpg by FY 2005, and using other fleet efficiency measures.

Department of Commerce Fleet Compliance for FY 2004

The Department of Commerce acquired 327 covered Light-Duty Vehicles (LDVs) in FY 2004, of which 144 were AFVs. DOC earned 8 extra credits for the acquisition of dedicated AFV, for a total of 152 AFV Credits. Attachment A provides detailed information on the number and types of light-duty vehicles leased or purchased by the Department of Commerce fleet in FY 2004.

The Department of Commerce (DOC) achieved 46 percent of the required 75 percent acquisition requirements as set forth in Public Law 102-486 for FY 2004. The DOC did not have a centralized process in place to oversee the purchases by the U. S. General Administrative Services (GSA) of AFVs for DOC Bureaus. In addition, DOC had no reporting requirements established for the Bureaus. The DOC Bureaus will report acquisition of AFVs and the fuel consumption starting second quarter FY 2005.

Alternative Fuel Use by the Department of Commerce Fleet in FY 2004

Table 1 represents alternative fuel use data for the Department of Commerce fleet in FY 2004. The majority of vehicles acquired by the Department of Commerce 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.

Table 1. The Department of Commerce Fuel Use in FY 2004

Fuel Type	Quantity	Unit
Biodiesel – B100		Gallons
CNG	1,962	Gallons @ 2,400 psi, 70°F
+62CNG		Hundred cu. ft.
Diesel	57,194	Gallons
E-85	17,337	Gallons
Gasoline	1,663,586	Gallons
Methanol		Gallons
Propane		Gallons

Department of Commerce’s Fleet AFV Acquisitions for FY 2005 and FY 2006

Attachments B and C provide detailed information on projected vehicle acquisitions and inventory for the Department of Commerce’s fleets for FY 2005 and FY 2006.

The AFV acquisitions for FY 2005 and FY 2006 are projected to be 75 percent of non-exempt new vehicle acquisitions for all fleet locations. DOC entered into the GSA Surcharge Program. This program allows GSA to assess a nominal fee on all DOC existing GSA vehicle leases. The funds accrued in this reserve will be used to pay for the incremental costs incurred in purchasing alternative fuel vehicles (AFV) for the DOC fleet. GSA agreed to provide AFVs as replacement vehicles for GSA-leased vehicles based on replacement standards in FY 2005 and FY 2006. Guidelines have been issued to all DOC Bureaus to ensure alternative fuel is used in flex-fuel and bi-fuel AFVs whenever possible. Subsequently the reasons for using petroleum in these AFVs will have to be justified by the Bureaus.

Where applicable, DOC fleet managers have been instructed to substitute more energy efficient vehicles for their current fleet when replacements are made. All Bureaus follow a replacement plan, as appropriate:

- Ensure new vehicles acquisition will first explore the use of an alternative fuel or a fuel-efficient vehicle before purchasing (including Exempt, Medium and Heavy Duty vehicles).
- Replace 4X4 vehicles with 4X2 vehicles.
- Replace 8-cylinder vehicles with 6-cylinder vehicles.
- Reduce the number of large vehicles by replacing them with smaller ones.

All Bureaus follow the recommended actions to achieve compliance for AFV and petroleum-fueled vehicles as follows:

- Require all Bureaus to report their miles driven and fuel consumption (actual) on a quarterly basis with the odometer reading.
- Use alternative fuel in all AFV and separately identify in the quarterly report provided by all where available.
- Prepare a directory for the Regional Offices of the location of Alternative Fuel Service Stations in their area. (Available on DOC website).
- Train the fleet managers on the proper use of Federal Automotive Statistical Tool (FAST) and verify the annual data input against the quarterly reports as well as ensuring that all vehicles are reported.
- Sponsor a workshop on FAST reporting and data entry.
- Receive approval before purchasing or leasing a 4X4 or 8-cylinder vehicle.

Summary

As detailed in this report and the attachments, the Department did not achieve the AFV acquisition requirements of Public Law 102-486 in FY 2004. The Department will look for opportunities to purchase AFVs for those regions where Alternative Fuel is available. The Department entered into the GSA Surcharge Program in FY 2004. This program will allow GSA to assess a nominal fee on all DOC existing GSA vehicle leases. The funds accrued in this reserve would be used to pay for the incremental costs incurred in purchasing (AFV) for the DOC fleet. Participation in the GSA Surcharge Program will serve as a catalyst for a marked increase in AFV acquisitions in FY 2005 and FY 2006.

Any further questions pertaining to this matter please contact Joy Taylor at 202-482-6122 or Zackary Williams at 202-482-3607.

Actuals Department of Commerce FY 2004 Vehicle Acquisitions

Actuals FY 2004 Light-Duty Vehicle Acquisitions					
		Leased	Purchased	Total	Total Vehicle Inventory
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		308	184	492	1,314
Exemptions	Fleet Size	1	0	1	1
	Geographic	0	0	0	0
	Law Enforcement	102	0	102	114
	Non-MSA Operation (fleet)	0	0	0	0
	Non-MSA Operation (vehicles)	62	0	62	(n/a)
EPACT Covered Acquisitions		143	184	327	1,199
Actuals FY 2004 AFV Acquisitions					
Vehicle		Leased	Purchased	Total	Total Vehicle Inventory
Sedan	CNG Bi-Fuel Subcompact	0	0	0	2
Sedan	CNG Bi-Fuel Compact	0	0	0	1
Sedan	E-85 Flex-Fuel Compact	30	0	30	54
Sedan	E-85 Flex-Fuel Midsize	7	0	7	22
Pickup 4x2	CNG Bi-Fuel	0	4	4	7
Pickup 4x2	CNG Dedicated	0	0	0	1
Pickup 4x2	E-85 Flex-Fuel	3	19	22	44
Pickup 4x4	E-85 Flex-Fuel	1	0	1	4
Pickup 4x4	LPG Bi-Fuel	0	0	0	1
SUV 4x2	E-85 Flex-Fuel	2	0	2	3
SUV 4x4	E-85 Flex-Fuel	28	23	51	75
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	19	0	19	142
Minivan 4x2 (Passenger)	Electric Dedicated	0	8	8	0
Van 4x2 (Passenger)	CNG Dedicated	0	0	0	4
Van 4x2 (Cargo)	CNG Bi-Fuel	0	0	0	1
Van 4x2 (Cargo)	CNG Dedicated	0	0	0	1
Pickup MD	CNG Bi-Fuel	0	0	0	1
Van MD (Passenger)	CNG Bi-Fuel	0	0	0	2
Van MD (Cargo)	CNG Bi-Fuel	0	0	0	1
Van MD (Cargo)	CNG Dedicated	0	0	0	8
Total Number of AFV Acquisitions		90	54	144	374
Zero Emission Vehicle Credits		0	8	8	
Dedicated Light-Duty AFV Credits		0	0	0	
Dedicated Medium-Duty AFV Credits		0	0	0	
Dedicated Heavy-Duty AFV Credits		0	0	0	
Biodiesel Fuel Usage Credits - Actuals				0	
Total AFV Acquisitions with Credits		90	62	152	
AFV Percentage of Covered Light-Duty Vehicle Acquisition				46%	

Planned Department of Commerce FY 2005 Vehicle Acquisitions

Planned FY 2005 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		313	184	497
	Fleet Size	1	0	1
	Geographic	0	0	0
	Law Enforcement	103	0	103
	Non-MSA Operation (fleet)	0	0	0
	Non-MSA Operation (vehicles)	67	0	67
Exemptions		67	0	67
EPACT Covered Acquisitions		142	184	326

Planned FY 2005 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan	CNG Bi-Fuel Subcompact	2	0	2
Sedan	E-85 Flex-Fuel Compact	4	0	4
Sedan	E-85 Flex-Fuel Midsize	8	0	8
Pickup 4x2	CNG Bi-Fuel	0	4	4
Pickup 4x2	E-85 Flex-Fuel	1	19	20
Pickup 4x4	E-85 Flex-Fuel	1	0	1
SUV 4x4	E-85 Flex-Fuel	1	23	24
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	26	0	26
Pickup MD	CNG Bi-Fuel	1	0	1
Van MD (Passenger)	CNG Bi-Fuel	1	0	1
Total Number of AFV Acquisitions		45	46	91
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	0	0
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Planned				0
Total AFV Acquisitions with Credits		45	46	91
AFV Percentage of Covered Light-Duty Vehicle Acquisition				28%

Projected Department of Commerce FY 2006 Vehicle Acquisitions

Projected FY 2006 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		353	183	536
Exemptions	Fleet Size	1	0	1
	Geographic	0	0	0
	Law Enforcement	104	0	104
	Non-MSA Operation (fleet)	0	0	0
	Non-MSA Operation (vehicles)	78	0	78
EPACT Covered Acquisitions		170	183	353

Projected FY 2006 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan	CNG Bi-Fuel Compact	1	0	1
Sedan	E-85 Flex-Fuel Compact	7	0	7
Sedan	E-85 Flex-Fuel Midsize	7	0	7
Pickup 4x2	CNG Bi-Fuel	3	4	7
Pickup 4x2	E-85 Flex-Fuel	4	19	23
Pickup 4x4	LPG Bi-Fuel	1	0	1
SUV 4x4	E-85 Flex-Fuel	10	23	33
Minivan 4x2 (Passenger)	E-85 Flex-Fuel	13	0	13
Van 4x2 (Passenger)	E-85 Flex-Fuel	25	0	25
Van 4x2 (Cargo)	CNG Bi-Fuel	1	0	1
Total Number of AFV Acquisitions		72	46	118
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	0	0
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Projected				0
Total AFV Acquisitions with Credits		72	46	118
AFV Percentage of Covered Light-Duty Vehicle Acquisition				33%