

**DEPARTMENT OF COMMERCE**

# **AFV REPORT**

# **FISCAL YEAR**

**2000**



**U.S. Department of Commerce  
Fleet AFV Report for Fiscal Year 2000  
November 30, 2000**

This is the *U.S. Department of Commerce Fleet Alternative Fuel Vehicle (AFV) Report for FY 2000*, including planned acquisitions and projections for FY 2001 and FY 2002. The report has been developed in accordance with the Energy Policy Act of 1992 (Public Law (P.L.) 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (P.L. 105-388) (ECRA), and Executive Order 13149 (April 2000).

For 2000, the Department acquired 22 AFVs qualifying for credits out of a total 130 “covered” vehicles bought or leased during the year. “Covered” vehicles, subject to P.L. 102-486 requirements, are described below. Detailed vehicle acquisition tables are shown on Attachment A.

### **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 be AFVs (where the fleets have 20 or more light duty vehicles, are capable of being centrally fueled, and are located 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. P.L. 102-486 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 P.L. 102-486 requirements.

The head of each Federal agency must 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). Fuel consumption is to be reduced 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 and Reporting Compliance for FY 2000**

In FY 2000, the DOC fleet did not achieve the AFV 75 percent acquisition requirements set forth in P.L. 102-486. We continue to experience difficulty in the acquisition and use of AFVs. These issues include the following: high incremental cost of certain AFV models, limited access to alternative fuel infrastructure and service in certain areas, and inadequate information on available AFVs.

The Department of Energy (DOE) and the General Services Administration (GSA) developed a computer system, Federal Automotive Statistical Tool (FAST), that would allow all federal agencies to accomplish the required data gathering and prepare the required reports in a

standardized format. DOE planned to forward all agency reports to Congress. Due to administrative and technical problems with the FAST system, DOE did not transmit the reports for fiscal years 1999, 2000, and 2001, causing federal agencies to be noncompliant with the law.

Consequently, Earthjustice, on behalf of the Center for Biological Diversity, the Bluewater Network, and the Sierra Club, filed a lawsuit against 18 federal agencies for noncompliance with Public Law 102-486. The U. S. District Court for the Northern District of California, ruled that all overdue (FY 1999, FY2000, and FY 2001) AFV reports must be forwarded to Congress by November 26, 2002. The court ruling further requires that the reports be posted on each agency’s website by January 31, 2003, with notice of availability of the reports to be published in the Federal Register by the same date. We are on target to meet the January deadline.

**Alternative Fuel Use by the Department of Commerce Fleet in FY 2000**

The table below represents alternative fuel use data, detailed in Attachment B, for the Department of Commerce fleet in FY 2000. The majority of vehicles acquired by the Department of Commerce and other Federal fleets are leased from the General Services Administration (GSA). The lease includes maintenance and fuel costs for the vehicles. Fuel is purchased through a GSA credit card that allows fleet vehicle users 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. The exception is natural gas, which is usually purchased at a local utility refueling site, allowing the fleet managers to contact the utility for an accurate accounting of purchased fuel.

**The Department of Commerce Fuel Use in FY 2000**

Fuel Type	Quantity	Unit
Biodiesel – B100		Gallons
CNG	11,832*	Gallons @ 2,400 psi, 70°F
CNG		Hundred cu. Ft.
Diesel	30,478*	Gallons
E-85		Gallons
Gasoline	847,085*	Gallons
Methanol		Gallons
Propane		Gallons

\* Estimate based on incomplete data

**Summary**

As detailed in this report and attachments, the Department of Commerce did not achieve the AFV acquisition requirements of P.L. 102-486 in FY 2000. Since 2000, the Department has been exploring alternatives and budgeting strategy to cover the cost of future AFV acquisitions.

## Actuals Department of Commerce FY 2000 Vehicle Acquisitions

Actuals FY 2000 Light-Duty Vehicle Acquisitions				Total Vehicle Inventory
	Leased	Purchased	Total	
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions	129	4	133	1,075
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	3	0	3
	Non-MSA Operation	0	0	0
<b>EPACT Covered Acquisitions</b>	<b>126</b>	<b>4</b>	<b>130</b>	<b>1,020</b>
Actuals FY 2000 AFV Acquisitions				Total Vehicle Inventory
Vehicle	Leased	Purchased	Total	
Sedan	CNG Bi-Fuel Compact	0	0	0
Sedan	E-85 Flex-Fuel Midsize	6	0	6
St. Wagon	CNG Bi-Fuel Compact	3	0	3
Pickup 4x2	E-85 Flex-Fuel Compact Ext Cab	1	0	1
Pickup 4x2	CNG Bi-Fuel Full-size Reg Cab	0	0	0
Pickup 4x4	E-85 Flex-Fuel Compact Ext Cab	1	0	1
Pickup 4x4	CNG Bi-Fuel Full-size Ext Cab	0	0	0
SUV 4x4 2dr	CNG Bi-Fuel Compact	2	0	2
Van 4x2	E-85 Flex-Fuel Compact	0	0	0
Van 4x2	M-85 Flex-Fuel Compact	9	0	9
Van 4x2	CNG Dedicated Large	0	0	0
<b>Total Number of AFV Acquisitions</b>	<b>22</b>	<b>0</b>	<b>22</b>	<b>100</b>
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 - Actuals			0	
<b>Total AFV Acquisitions with Credits</b>	<b>22</b>	<b>0</b>	<b>22</b>	
<b>AFV Percentage of Covered Light-Duty Vehicle Acquisition</b>			<b>17%</b>	

# Planned Department of Commerce FY 2001 Vehicle Acquisitions

## Planned FY 2001 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		15	1	16
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	1	0	1
	Non-MSA Operation	0	0	0
<b>EPACT Covered Acquisitions</b>		<b>14</b>	<b>1</b>	<b>15</b>

## Planned FY 2001 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan (SIN 10, 10B)	E-85 Flex-Fuel Midsize	4	0	4
Van 4x2 (SIN 20, 30)	E-85 Flex-Fuel Compact	2	0	2
<b>Total Number of AFV Acquisitions</b>		<b>6</b>	<b>0</b>	<b>6</b>
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
<b>Total AFV Acquisitions with Credits</b>		<b>6</b>	<b>0</b>	<b>6</b>
<b>AFV Percentage of Covered Light-Duty Vehicle Acquisition</b>				<b>40%</b>

# Projected Department of Commerce FY 2002 Vehicle Acquisitions

## Projected FY 2002 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		15	0	15
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	1	0	1
	Non-MSA Operation	0	0	0
<b>EPACT Covered Acquisitions</b>		<b>14</b>	<b>0</b>	<b>14</b>

## Projected FY 2002 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan (SIN 10, 10B)	E-85 Flex-Fuel Midsize	6	0	6
Van 4x2 (SIN 20, 30)	E-85 Flex-Fuel Compact	2	0	2
<b>Total Number of AFV Acquisitions</b>		<b>8</b>	<b>0</b>	<b>8</b>
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
<b>Total AFV Acquisitions with Credits</b>		<b>8</b>	<b>0</b>	<b>8</b>
<b>AFV Percentage of Covered Light-Duty Vehicle Acquisition</b>				<b>57%</b>

Department of Commerce

Petroleum Consumption Report

Data from this report is comprised of the data submitted through the [Fuel Use and Economy](#) and [Input Fleet Data](#) screens current through FY 2000.

EO 13149 Covered Petroleum Consumption in GGE

	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Gasoline	1,063,047	1,086,565					
Diesel	69,744	133,218					
Diesel component from biodiesel		298					
<b>TOTAL</b>	1,132,791	1,219,783					
<b>Reduction*</b>	N/A	-7.7 %					

\* Reduction is the % reduction compared to the FY 1999 Baseline Total

Alternative Fuel Consumption (in GGE)

	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
CNG	2,129					
LNG	0					
LPG	0					
E-85	0					
Electric	0					
M-85	0					
Biodiesel (B100)*	75					

TOTAL 2,204

Estimated Total Fuel Used in AFVs \*

% of Alt Fuel Use in AFVs w/o biodiesel<sup>1</sup>

\*Biodiesel is calculated at 20% of the reported B20 and 100% of the reported B100 fuel used in the Section III Actual Fuel Cost/Consumption by Fuel Type data input screen. Biodiesel is *not* included in the calculation of total fuels used in AFVs because biodiesel itself is not burned in *Alternatively Fueled Vehicles*.

\* There is not enough data to generate results. Please enter values for *Estimated Total Fuels used in AFVs* used in *Block 2* in the [Fuel Use and Economy Screen](#).

Average Fuel Economy of non-AFV Light Duty Vehicle Acquisitions (in mpg)

	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Fuel Economy	0.0	0					

Change Compared to Baseline

There is not enough data to generate results. Please enter values for *Fuel Economy of LD Non-AFV Acquisitions* used in *Block 3* in the [Baseline Data Input Screen](#)