

U. S. DEPARTMENT OF AGRICULTURE ALTERNATIVE FUEL VEHICLE (AFV) PROGRAM REPORT FOR FISCAL YEAR 2001

The United States Department of Agriculture's (USDA) Fleet Alternative Fuel Vehicle (AFV) Program Report for Fiscal Year (FY) 2001 includes the Department's data on the number of AFVs acquired in FY 2001 and projected acquisitions for FYs 2002 and 2003. The report has been developed in accordance with the Energy Policy Act (EPAAct), 42 U.S.C. 13211-13219, 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.

Fleet Mission Requirements

The USDA fleet is comprised of owned and commercially leased vehicles. The USDA fleet also includes vehicles leased from the General Services Administration (GSA). These vehicles are used to perform mission requirements; including the following:

- ◆ National Forest System
- ◆ Community Natural Resource Conservation Program
- ◆ Animal, Plant, and Food Safety
- ◆ Border Surveillance
- ◆ Agriculture Science Research Programs

The Department has supported and participated in the government's alternative fuels program since its inception in 1992, encouraging our agencies to acquire and/or convert vehicles for alternative fuel use. USDA is one of the first Government agencies to use biodiesel under the provisions of the Energy Conservation Reauthorization Act of 1998.

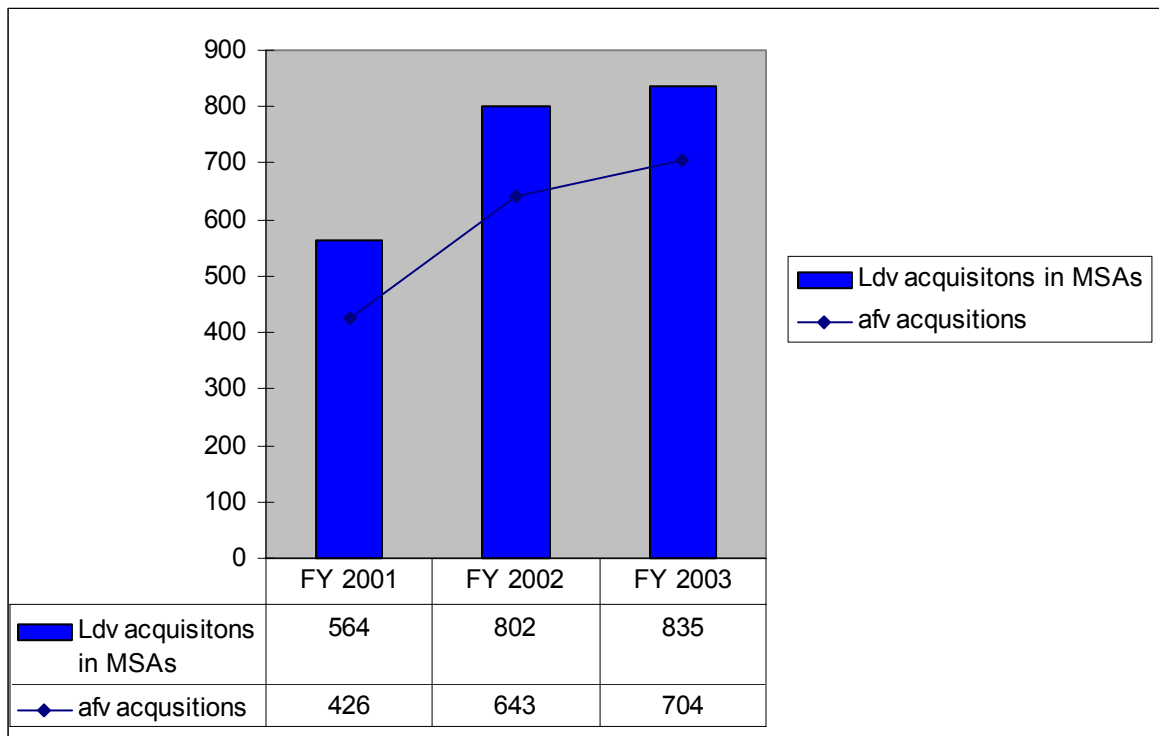
USDA AFV Acquisitions

The Department has achieved remarkable AFV program success in FY 2001 when compared with previous fiscal years. In FY 2001, USDA achieved a 76%

AFV acquisition rate, including AFV credits for dedicated vehicles and biodiesel usage. This achievement was due to increased awareness of USDA fleet managers concerning the goals and opportunities of the AFV program and associated Federal mandates as well as increased AFV acquisitions and biodiesel usage. The Department is expecting greater AFV acquisition percentages in the future as indicated in Table 1, AFV acquisition breakdown. USDA's light, medium, and heavy duty vehicle acquisitions may either increase or decrease in a given fiscal year, depending upon the replacement schedules for owned and leased vehicles. AFV acquisitions are projected to increase in FY 2002 and FY 2003.

The FAST system currently does not include a section for biodiesel credits for planned and projected acquisitions (FYs 2002 and 2003). Department of Energy contractors stated that this issue would be resolved for next year's FAST report. The following charts include biodiesel and dedicated vehicle credits and indicate USDA's achievement in FY 2001 and projected acquisition data for FYs 2002 and 2003:

Table 1. LDV/AFV Acquisitions by Fiscal Year



AFV acquisitions include credits from dedicated vehicles and biodiesel usage.

Since GSA is significantly increasing the numbers of AFVs available for lease or purchase USDA will make AFVs a priority request when acquiring vehicles through GSA. Future AFV acquisitions will encompass a mixture of bi-fuel,

flexible fuel and dedicated vehicles, along with annual increases in biodiesel usage. These strategies will be used to reduce petroleum consumption in accordance with Executive Order 13149. The USDA fleet managers are developing agency-specific strategies to meet the alternative fuel use requirement goals.

Table 2. AFV Acquisition Breakdown

FISCAL YEAR	2001	2002	2003
ACTUAL AFV ACQUISITIONS	374	543	587
DEDICATED CREDIT	3	1	1
BIODIESEL CREDIT	49	99	116
AFV TOTALS/ EPAct PERCENTAGE	426 (76%)	643 (80%)	704 (84%)

Table 3. USDA Alternative Fuel Use in FY 2001 (Owned and Commercially Leased)

FUEL TYPE	TOTAL GASOLINE GALLON EQUIVALENTS (GGE) REPORTED BY FAST
B20	126,112
CNG	77
E-85	4,834
ELECTRIC	51
TOTALS	131,074

Table 3 does not include GSA fuel consumption data on vehicles leased from GSA. GSA indicated that it was unable to provide any detailed information pertaining to alternative fuel use.

Baseline and Fuel Consumption Data

Table 4. Baseline and Fuel Consumption Data

	FY 1999 BASELINE	FY 2000	FY2001
GASOLINE	17,191,992	18,458,017	18,676,718

DIESEL	520,629	573,260	593,453
TOTAL	17,712,621	19,031,277	19,270,171
REDUCTION	N/A	-7.4%	-8.8%

Table 4, Baseline and Fuel Consumption Data, tracks progress towards achieving the goal of 20% reduction in fuel use by FY 2005 compared to FY 1999 fuel consumption. USDA has not yet made any positive progress towards this goal because our fleet inventory has increased since FY 1999 (see table 5). USDA did not enter fuel consumption data for GSA-leased vehicles in the FAST report for FY 2000 and the data is not included in this year's report.

Table 5. Agency Owned and Commercially leased vehicles

FISCAL YEAR	1999	2000	2001
OWNED	33,319	33,428	33,890
COMMERCIALLY LEASED	343	545	548
TOTAL	33,662	33,973	34,438

Information taken from SF 82 Report (Agency Report for Motor Vehicle Data)

Summary

Since FY 1996, USDA has significantly increased its AFV acquisition levels and has been one of the frontrunners in pioneering the use of biodiesel fuel to reduce petroleum consumption. USDA strongly supports the initiatives set forth in Executive Order 13149. USDA will take full advantage of any strategies and opportunities to ensure the Department meets and exceeds the requirements of EAct and Executive Order 13149.

USDA continues to be concerned about the availability of fuel data used to measure progress toward the use of alternative fuels and the reduction of petroleum fuels. The issues of tertiary fleet card data correctly identifying fuel type purchased at the pump and the inability to provide full and accurate accounting of fuel use for GSA leased vehicles must be resolved. USDA intends to provide the most reliable and accurate data possible when reporting to Federal regulatory agencies and Congress, however, these issues must be resolved to provide a full picture of fleet and fuel use in the coming years.

**Department of Agriculture
Actuals Department of Agriculture FY 2001 Vehicle Acquisitions**

Actuals Department of Agriculture FY 2001 Vehicle Acquisitions					
Actuals FY 2001 Light-Duty Vehicle Acquisitions				Total Vehicle Inventory	
	Leased	Purchased	Total		
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		1,339	2,902	4,241	34,288
Exemptions	Fleet Size	0	0	0	0
	Geographic	0	0	0	0
	Law Enforcement	0	0	0	108
	Non-MSA Operation	1,115	2,562	3,677	29,086
EPACT Covered Acquisitions		224	340	564	5,094
Actuals FY 2001 AFV Acquisitions				Total Vehicle Inventory	
Vehicle	Leased	Purchased	Total		
Sedan	CNG Bi-Fuel Subcompact	5	0	5	8
Sedan	CNG Dedicated Subcompact	0	1	1	5
Sedan	CNG Bi-Fuel Compact	0	0	0	10
Sedan	E-85 Flex-Fuel Midsize	73	114	187	589
St. Wagon	E-85 Flex-Fuel Midsize	0	7	7	15
Pickup 4x2	E-85 Flex-Fuel Compact	14	0	14	20
Pickup 4x2	E-85 Flex-Fuel Compact Ext Cab	0	0	0	47
Pickup 4x2	E-85 Flex-Fuel Compact Reg Cab	0	0	0	102
Pickup 4x2	CNG Bi-Fuel Full-size Ext Cab	0	17	17	17
Pickup 4x2	CNG Dedicated Full-size Ext Cab	0	0	0	2
Pickup 4x2	LPG Bi-Fuel Full-size Ext Cab	0	10	10	10
Pickup 4x2	CNG Bi-Fuel Full-size Reg Cab	0	0	0	40
Pickup 4x2	CNG Dedicated Full-size Reg Cab	0	2	2	1
Pickup 4x4	E-85 Flex-Fuel Compact Ext Cab	0	0	0	12
Pickup 4x4	E-85 Flex-Fuel Compact Reg Cab	0	0	0	1
Pickup 4x4	CNG Bi-Fuel Full-size Ext Cab	2	0	2	2

SUV 4x2 4dr	E-85 Flex-Fuel Midsize	0	0	0	1
Van 4x2	E-85 Flex-Fuel Compact	77	52	129	161
Van 4x2	CNG Dedicated Large	0	0	0	3
Total Number of AFV Acquisitions		171	203	374	1,046
Zero Emission Vehicle Credits		0	0	0	
Dedicated Light-Duty AFV Credits		0	3	3	
Dedicated Medium-Duty AFV Credits		0	0	0	
Dedicated Heavy-Duty AFV Credits		0	0	0	
Biodiesel Fuel Usage Credits				49	
Total AFV Acquisitions with Credits		171	206	426	
AFV Percentage of Covered Light-Duty Vehicle Acquisition				76 %	

**Department of Agriculture
Complex-Wide AFV Report 2002 - Planned**

Planned Department of Agriculture FY 2002 Vehicle Acquisitions				
Planned FY 2002 Light-Duty Vehicle Acquisitions				
		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		1,662	2,825	4,487
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	0	0	0
	Non-MSA Operation	1,228	2,457	3,685
EPACT Covered Acquisitions		434	368	802
Planned FY 2002 AFV Acquisitions				
Vehicle		Leased	Purchased	Total
Sedan (SIN 8, 8C)	CNG Bi-Fuel Subcompact	12	10	22
Sedan (SIN 10, 10B)	E-85 Flex-Fuel Midsize	99	117	216
St. Wagon (SIN 14, 14C)	E-85 Flex-Fuel Midsize	3	15	18
Pickup 4x2 (SIN 60)	E-85 Flex-Fuel Compact	27	0	27
Pickup 4x2 (SIN 61C)	E-85 Flex-Fuel Compact Ext Cab	0	20	20
Pickup 4x2 (SIN 61)	E-85 Flex-Fuel Compact Reg Cab	1	17	18
Pickup 4x2 (SIN 42C)	LPG Bi-Fuel Full-size Ext Cab	0	5	5
Pickup 4x2 (SIN 41, 42)	CNG Bi-Fuel Full-size Reg Cab	0	8	8
Pickup 4x2 (SIN 42)	CNG Dedicated Full-size Reg Cab	0	1	1
Pickup 4x4 (SIN 66C)	E-85 Flex-Fuel Compact Ext Cab	0	21	21
Pickup 4x4 (SIN 66)	E-85 Flex-Fuel Compact Reg Cab	0	6	6
Pickup 4x4 (SIN 46, 47)	CNG Bi-Fuel Full-size Reg Cab	5	0	5
Van 4x2 (SIN 20, 30)	E-85 Flex-Fuel Compact	119	57	176
Total Number of AFV Acquisitions		266	277	543
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	1	1
Dedicated Medium-Duty AFV Credits		0	0	0
Biodiesel Fuel Use Credits		0	99	99
Total AFV Acquisitions with Credits		266	377	643
AFV Percentage of Covered Light-Duty Vehicle Acquisition				80 %

**Department of Agriculture
Complex-Wide AFV Report 2003 - Projected**

Projected Department of Agriculture FY 2003 Vehicle Acquisitions			
Projected FY 2003 Light-Duty Vehicle Acquisitions			
	Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions	1,580	2,902	4,482
Exemptions	Fleet Size	0	0
	Geographic	0	0
	Law Enforcement	0	0
	Non-MSA Operation	1,163	2,484
EPACT Covered Acquisitions	417	418	835
Projected FY 2003 AFV Acquisitions			
Vehicle	Leased	Purchased	Total
Sedan (SIN 8, 8C)	11	9	20
Sedan (SIN 10, 10B)	103	173	276
St. Wagon (SIN 14, 14C)	3	28	31
Pickup 4x2 (SIN 60)	29	10	39
Pickup 4x2 (SIN 61C)	0	2	2
Pickup 4x2 (SIN 61)	1	22	23
Pickup 4x4 (SIN 66)	0	11	11
Pickup 4x4 (SIN 47C)	3	0	3
SUV 4x4 4dr (SIN 106)	0	1	1
Van 4x2 (SIN 20, 30)	112	68	180
Van 4x2 (SIN 21, 31)	1	0	1
Total Number of AFV Acquisitions	263	324	587
Zero Emission Vehicle Credits	0	0	0
Dedicated Light-Duty AFV Credits	1	0	1
Dedicated Medium-Duty AFV Credits	0	0	0
Biodiesel Fuel Use Credits	0	116	116
Total AFV Acquisitions with Credits	264	440	704
AFV Percentage of Covered Light-Duty Vehicle Acquisition			84 %

**Department of Agriculture
Petroleum Consumption Report**

Covered Petroleum Consumption in GGE							
	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Gasoline	17,191,992	18,458,017	18,676,718				
Diesel	520,629	573,260	593,453				
TOTAL	17,712,621	19,031,277	19,270,171				
Reduction*	N/A	-7.4 %	-8.8 %				
Diesel component from biodiesel**		39,842	100,890				

Alternative Fuel Consumption (in GGE)							
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	
CNG	71	77					
LNG	0	0					
LPG	0	0					
E-85	15,836	4,834					
Electric	0	51					
M-85	841	0					
BioDiesel (B100)	9,961	25,223					
TOTAL	26,709	30,185					

**Estimated Total Fuel Used in
AFVs**

% of Alt Fuel Use in AFVs

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

	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Fuel Economy	17.0	18	19				
Change Compared to Baseline		1.0	2.0				