



U.S. Department of Housing and Urban Development

2012

HUD FLEET ALTERNATIVE FUEL REPORT



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Housing and Urban Development

Executive Summary

The U.S. Department of Housing and Urban Development (HUD) hereby submits its fiscal year (FY) 2012 annual report on the Agency's efforts in meeting the fleet requirements of the Energy Policy Act (EPAAct) of 1992 (Public Law 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (Public Law 105-388); and in meeting the goals of Executive Order (E.O.) 13149, "Greening the Government through Federal Fleet and Transportation Efficiency" (65 FR 24607), which was signed in April 2000. Section 705 of the EPAAct of 2005 (Public Law 109-58, enacted August 8, 2005), amended the due date of this report to February 15 of every year.

EPAAct of 1992 requires that 75% of all non-exempt vehicle acquisitions by Federal agencies be alternative fuel vehicles (AFVS). E.O. 13423 requires Federal agencies to increase alternative fuel consumption by 10% annually compared to the prior year's alternative fuel usage. The E.O. also sets goals for non-exempt Federal agencies to reduce petroleum consumption by 2% annually relative to a FY 2005 baseline. Table 1 summarizes the Agency's performance in meeting these requirements.

Table 1. HUD FY 2010 Performance in Meeting EPAAct and E.O. 13423 Requirements

Driver	Performance Measure	FY 2012 Goal/Requirement	HUD Performance in 2012
EPAAct	AFV Acquisitions	75 % of all non-exempt acquisitions by Federal agencies be AFVs.	41 LDV vehicles acquired; 11 were exempt vehicles; 30 are covered by EPAAct
E.O. 13423	Petroleum Consumption	Reduce petroleum consumption by 2 % annually.	Consumed 54,991 GGE which is a 72% from the baseline.
	Alternative Fuel Consumption	Increase AF by 10%.	Consumed 73,825 GGE which is far greater than 100% of the target (111 GGE).

Legislative and Executive Order Requirements

Section 303 of EPOA (42 U.S.C. 13212) requires that 75% of all non-exempt light-duty vehicles acquired by Federal fleets in FY 1999 and thereafter be AFVs. The EPOA requirement applies to agency fleets that meet the following criteria:

- Consist of 20 or more light-duty vehicles (vehicles less than or equal to 8,500 pounds gross vehicle weight rating)
- Centrally fueled or capable of being centrally fueled
- Primarily operated in Metropolitan Statistical Areas (MSAs) or Consolidated Metropolitan Statistical Area (CMSAs) with populations of more than 250,000 according to 1980 census.

Emergency response and law enforcement vehicles that meet certain utilization criteria are exempt from this requirement.

EO 13423 requires each Federal agency that operates 20 or more vehicles within the United States to reduce its annual petroleum consumption by at least 2% each year through FY 2015, compared to FY 2005 consumption levels. Fleets may achieve the petroleum reductions in a number of ways, including AFV acquisitions, increased alternative fuel use in flexible-fuel AFVs, improved fuel efficiency of non-AFV acquisitions, reductions in non-AFV fleet sizes and vehicle miles traveled, and improvements in overall fleet operating efficiencies.

EO 13423 also requires subject Federal fleets increase annual consumption of alternative fuels by 10% annually relative to the previous year's alternative fuel usage target (i.e. compounded annually). If measured cumulatively from the FY 2005 baseline, the annual increases are 10% for FY 2006, 21% for FY2007, 33.1% for FY 2008 and so on.

The Energy Conservation Reauthorization Act of 1998 amended EPOA to allow one AFV acquisition credit for every 450 gallons of pure biodiesel fuel or 2,250 gallons of B-20, a blend of 20% biodiesel with 80% petroleum diesel. These biodiesel credits may fulfill up to 50% of an agency's EPOA acquisition requirements and do not carry over into subsequent years.

Section 701 of EPOA 2005 requires that subject fleets of each Federal agency use alternative fuel at all times in flexible-fuel and dedicated AFVs. Agencies can request waivers from the Secretary of Energy, on an individual vehicle basis, if alternative fuel for that AFV is unavailable or unreasonably expensive based on specific criteria.

Section 310(b) of EPO Act requires the head of each Federal agency to prepare and submit an annual report to Congress outlining the agency's AFV acquisitions and future acquisition plans, beginning in FY 1999. Federal agencies submit compliance data using the web-based Federal Automotive Statistical Tool (FAST) database. Acquisition data submitted by HUD is included in this report as Appendix A, B, C, and D.

HUD's FY 2012 Fleet Compliance with EPO Act

AFV acquisitions for the Agency fleet from 2012-2015 and HUD's EPO Act compliance percentage for non-exempt AFV acquisitions are displayed in Appendices A-D. The figures show that HUD was not compliant for 2012. HUD acquired a total of 41 Light Duty Vehicles (LDV) of those 41, 11 were law enforcement, and the remaining 30 were EPO Act covered. The requirement states that 75% of all new acquisitions must be LDVs. HUD's new vehicle acquisitions was 73% LDV acquisitions. FY 2013 planned acquisitions, 2014 projected and 2015 forecasted shows 0% percentage because all HUD acquisitions are exempt from reporting, planned for either law enforcement or locations outside the MSA.

HUD's FY 2012 Compliance with EO 13423

Table 3 summarizes HUD's performance toward the EO 13423 petroleum reduction goal. In FY 2010, HUD was required to reduce petroleum consumption by 10 % (169,913 GGE consumed) relative to a FY 2005 consumption baseline and had an actual reduction of 72% (54,991 GGE consumed) below FY 2005 baseline levels. HUD reduced petroleum consumption from target petroleum consumption by 57% (71,806 GGE).

Table 3- Petroleum Consumption for FY 2012

Petroleum Consumption	Totals
FY 2005 Baseline	197,574 GGE
FY 2012 Target Petroleum	169,913 GGE
FY 2012 Actual Petroleum Consumption	71,806 GGE (72% reduction from baseline) (57% reduction from target)
Compliant	YES

Table 4 summarizes HUD's performance toward the EO 13423 alternative fuel. IN FY 2012 , HUD was required to increase alternative fuel by 48% (111GGE) relative to a FY 2005 consumption baseline and had an actual increase of <100% (73,825 GGE) above FY 2011 alternative fuel consumption. HUD increased alternative fuel consumption above the target by <100% (73,825 GGE).

Table 4- Alternative Fuel Consumption for FY 2012

Alternative Fuel Consumption	Totals
FY 2005 Baseline	57 GGE
FY 2012Target Petroleum	111 GGE (95 % increase from baseline)
FY 2012 Actual Alternative Fuel Consumption	73,825 GGE (>100% increase from baseline) (>100% increase from target)
Compliant	YES

HUD's Strategy to meet Fleet Requirements

(EPAAct of 2005, EO 13423 and EO 13514)

On May 24, 2011, The President issued a Presidential Memorandum-Federal Fleet Performance. In it, the President stated the Federal Government has a "responsibility to American citizens to lead by example and contribute to meeting g our national goals of reducing oil imports by one-third by 2025 and putting one million advanced vehicles on the road by 2015.

General Services Administration tasked federal agencies to do a Vehicle Allocation Methodology (VAM). The purpose of the VAM is to achieve Federal fleet that is comprised of smaller more fuel efficient, less greenhouse-gas emitting vehicles that operate primarily on alternative fuels by the year 2015. The VAM study helped identify and eliminate unnecessary or non-essential vehicles from their motor vehicle fleets, and promote the cost-effectiveness of maintaining the fleets throughout their lifecycles.

One of the requirements of the VAM was to create a fleet management plan. HUD's fleet management plan was reviewed by GSA and the following recommendations were made:

- Fleet reductions in excess of 9% planned
- Right size vehicles. Reduction in the large size vehicles.
- Look into shared fleet on demand services.

HUD has made great progress in meeting the recommendations that GSA made. HUD has reduced the overall fleet, which includes OIG, by 10%. Previous years' reductions did not include OIG. HUD is continuing to make reductions to achieve the optimal fleet for the agency. HUD is currently in the process of having more small compact vehicles in our fleet versus large sized vehicles. HUD is replacing 64 vehicles of which 27 are compact or subcompact, or 58%. Currently, HUD has selected Zip Cars to partner with for a car share program. We have identified 3 areas to do the program in. We are now selecting individuals for that area and getting funding for the participants.

With adhering to the recommendations stated by GSA, and implementing them, HUD will be able to meet the fleet requirements outlined in EPOA of 2005, E.O. 13423, and E.O.13514.) The biggest challenge will be going from larger sized vehicles to more small compacts.

APPENDIX A

2012 AFV Report: Actual Data (FY2012)

1. Actual Light-Duty Vehicle Acquisitions and Exemptions			
	Acquisitions		
	Leased	Purchased	Total
Total Light-Duty Vehicle Acquisitions	41	0	41
Fleet Exemptions: Fleet Size	0	0	0
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	0	0	0
Fleet Exemptions: Non-MSA Operation	0	0	0
Vehicle Exemptions: LE Vehicle	11	0	11
Vehicle Exemptions: Non-covered Vehicle	0	0	0
Vehicle Exemptions: Non-MSA Operation	0	0	0
Total EPCovered Vehicles	30	0	30

2. Actual Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE	Acquisitions		Total	EPA Credits
			Lease	Purchase		
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	No	8	0	8	8
Sedan/St Wgn Compact	E85 FF	Yes	3	0	3	0
Sedan/St Wgn Midsize	E85 FF	No	7	0	7	7
Sedan/St Wgn Subcompact	E85 FF	Yes	6	0	6	0
LD SUV 4x2	E85 FF	No	1	0	1	1
LD Van 4x2 (Passenger)	E85 FF	No	1	0	1	1
Totals:			26	0	26	17

3. Actual EPCovered Acquisition Credits Summary	
Base AFV Acquisition Credits:	17
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Dedicated Medium Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	0
Total EPCovered Credits:	17
Overall EPCovered Compliance Percentage:	57 %

APPENDIX B

2012 AFV Report: Planned Data (FY2013)

1. Planned Light-Duty Vehicle Acquisitions and Exemptions			
	Acquisitions		
	Leased	Purchased	Total
Total Light-Duty Vehicle Acquisitions	48	0	48
Fleet Exemptions: Fleet Size	0	0	0
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	0	0	0
Fleet Exemptions: Non-MSA Operation	0	0	0
Vehicle Exemptions: LE Vehicle	48	0	48
Vehicle Exemptions: Non-covered Vehicle	0	0	0
Vehicle Exemptions: Non-MSA Operation	0	0	0
Total EPCa-Covered Vehicles	0	0	0

2. Planned Alternative Fuel Vehicle Acquisition Detail						
	Acquisitions					EPCa Credits
Vehicle Type	Fuel	LE	Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	Yes	16	0	16	0
Sedan/St Wgn Midsize	E85 FF	Yes	20	0	20	0
LD SUV 4x4	GAS AF	Yes	4	0	4	0
Totals:			40	0	40	0

3. Planned EPCa Acquisition Credits Summary	
Base AFV Acquisition Credits:	0
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	0
Total EPCa Credits:	0
Overall EPCa Compliance Percentage:	0 %

APPENDIX C

2012 AFV Report: Projected Data (FY2014)

1. Projected Light-Duty Vehicle Acquisitions and Exemptions

	Acquisitions		
	Leased	Purchased	Total
Total Light-Duty Vehicle Acquisitions	22	0	22
Fleet Exemptions: Fleet Size	0	0	0
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	0	0	0
Fleet Exemptions: Non-MSA Operation	0	0	0
Vehicle Exemptions: LE Vehicle	22	0	22
Vehicle Exemptions: Non-covered Vehicle	0	0	0
Vehicle Exemptions: Non-MSA Operation	0	0	0
Total EPCovered Vehicles	0	0	0

2. Projected Alternative Fuel Vehicle Acquisition Detail

Vehicle Type	Fuel	LE	Acquisitions		Total	EPA CRedits
			Lease	Purchase		
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Midsize	E85 FF	Yes	10	0	10	0
Totals:			18	0	18	0

3. Projected EPCovered Acquisition Credits Summary

Base AFV Acquisition Credits:	0
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	0
Total EPCredits:	0
Overall EPCovered Compliance Percentage:	0 %

APPENDIX D

2012 AFV Report: Forecast Data (FY2015)

1. Forecast Light-Duty Vehicle Acquisitions and Exemptions

	Acquisitions		
	Leased	Purchased	Total
Total Light-Duty Vehicle Acquisitions	22	0	22
Fleet Exemptions: Fleet Size	0	0	0
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	0	0	0
Fleet Exemptions: Non-MSA Operation	0	0	0
Vehicle Exemptions: LE Vehicle	22	0	22
Vehicle Exemptions: Non-covered Vehicle	0	0	0
Vehicle Exemptions: Non-MSA Operation	0	0	0
Total EPCo-Covered Vehicles	0	0	0

2. Forecast Alternative Fuel Vehicle Acquisition Detail

Vehicle Type	Fuel	LE	Acquisitions			EPA C Credits
			Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Midsize	E85 FF	Yes	10	0	10	0
Totals:			18	0	18	0

3. Forecast EPCo Acquisition Credits Summary

Base AFV Acquisition Credits:	0
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	0
Total EPCo Credits:	0
Overall EPCo Compliance Percentage:	0 %