



U.S. Department of Agriculture AFV Program Report for Fiscal Year 2011

The United States Department of Agriculture (USDA) Alternative Fuel Vehicle (AFV) Program Report for Fiscal Year (FY) 2011 presents the Department's data on the number of alternative fuel vehicles (AFVs) acquired in FY 2010 and planned, projected, and forecasted acquisitions for FYs 2012, 2013, and 2014 (*Attachments I, II, III, and IV*) respectively. The report has been developed in accordance with the Energy Policy Act (EPAct) of 1992 (amended in 2005) (42 U.S.C. 13211-13219), as amended by the Energy Conservation Reauthorization Act of 1998 (Public Law 105-388) (ECRA), Executive Order (E.O.) 13423, Strengthening Federal Environmental, Energy, and Transportation Management, and E. O. 13514, Federal Leadership in Environmental, Energy, and Economic Performance.

Legislative Requirements

EPAct requires that 75% of all Federal fleet light duty vehicle (LDV) acquisitions for FY 1999 and beyond, which are capable of being centrally fueled and primarily operated in a metropolitan statistical area (MSA), be alternative fuel vehicles (AFVs). Certain emergency, law enforcement, and national defense vehicles are exempt from these requirements. The ECRA amended EPAct to allow one alternative fuel vehicle acquisition credit for every 450 gallons of pure biodiesel fuel consumed in vehicles over an 8,500 pounds gross vehicle weight rating. "Biodiesel credits" may fulfill up to 50 percent of an agency's EPAct requirements. E.O. 13423 requires agencies to reduce their fleet's covered petroleum consumption by 2% annually through 2015, while *increasing* their consumption of alternative fuel 10% per year compared to an FY 2005 baseline. Agencies are also required to purchase plug-in hybrid vehicles when life-cycle cost analysis demonstrates their cost to be reasonably similar to other vehicles. E.O. 13514 requires the use of low green house gas emitting and alternative fuel vehicles and optimizing vehicle numbers across agency fleets. E.O. 13514 also mandates that agency fleets reduce petroleum consumption by 2% annually relative to a fiscal year 2005 baseline.

USDA Fleet Mission Requirements

USDA has a foreign and domestic vehicle fleet of 43,399 vehicles comprised of owned vehicles, commercial leases, and vehicles leased from the General Services Administration (GSA). The Department has a fleet of 43,128 domestic vehicles which are solely used to meet regulatory requirements (Foreign vehicles are exempt). The fleet is used to perform mission requirements in support of USDA programs, including the following:



- Management of the National Forest System, including fire prevention and firefighting
- Community Natural Resource Conservation Programs
- Animal, Plant, and Food Safety programs
- Border Surveillance
- Agriculture Science Research Programs

Table 1. Agency Vehicle Domestic Inventory, FY 2011

Department of Agriculture - FY 2011														
Vehicle Category	Fuel Type / Engine Configuration													Total
	Gasoline		Diesel		CNG		E85	M85	LPG		LNG	Electric	Hydrogen	
	Dedicated	Hybrid	Dedicated	Hybrid	Dedicated	Bi-fuel	Flex-fuel	Flex-fuel	Dedicated	Bi-fuel	Bi-fuel			
A	b	c	d	e	f	g	h	i	j	k	l	m	n	o
LDV - Sedans	2,314	572	0	0	0	0	2,705	0	0	0	0	0	0	5,591
LDV - Pickups	11,739	46	132	0	0	4	5,602	0	0	1	0	0	0	17,524
LDV - SUVs	4,869	861	1	0	0	0	1,531	0	0	0	0	0	0	7,262
LDV - Vans	765	0	0	0	0	0	703	0	0	0	0	0	0	1,468
Total LDVs	19,687	1,479	133	0	0	4	10,541	0	0	1	0	0	0	31,845
MDVs	6,837	0	1,274	0	0	0	970	0	0	0	0	0	0	9,081
HDVs	270	0	1,932	0	0	0	0	0	0	0	0	0	0	2,202
Total by Fuel Type	26,794	1,479	3,339	0	0	4	11,511	0	0	1	0	0	0	43,128

The 43,128 domestic motor vehicles reported by USDA agencies are categorized by the following vehicle weights:

- 74% of the USDA Motor Vehicle Fleet are Light Duty Vehicles (LDV)
- 5% of the USDA Motor Vehicle Fleet are Heavy Duty Vehicles (HDV)
- 21% of the USDA Motor Vehicle Fleet are Medium Duty Vehicles (MDV)

The vehicles selected by the various USDA fleets managers are necessary for critical mission assignments. Per GSA FMR Bulletin-30, Agencies recently conducted vehicle allocation methodology reviews of their fleets. Additional fleet reviews and activities for ensuring compliance to Executive Orders include, the Agricultural Research Service conducting approximately seven consolidated assistance review and evaluation assessments of various



field offices on an annual basis. The focus is on ensuring compliance with existing motor vehicle regulatory processes including both Federal, departmental and agency-specific regulations. It is up to each field office to justify any fleet increases. All field offices are required to maintain usage logs. Also, the Food Safety and Inspection Service perform annual fleet management reviews. Due to the agency's mission, a cost savings is generated when assigning a government (GSA leased) vehicle to an employee rather than pay the reimbursable rate to drive their POV at the high mileage rate. The agency has also mandated the use of compact sedans (depending on the availability) which has resulted in increased vehicle miles per gallon.

Table 2. Agency Vehicle Acquisition, FY 2011

Department of Agriculture - FY 2011														
Vehicle Category	Fuel Type / Engine Configuration													Total
	Gasoline		Diesel		CNG		E85	M85	LPG		LNG	Electric	Hydrogen	
	Dedicated	Hybrid	Dedicated	Hybrid	Dedicated	Bi-fuel	Flex-fuel	Flex-fuel	Dedicated	Bi-fuel	Bi-fuel			
A	b	c	d	e	f	g	h	i	j	k	l	m	n	o
LDV - Sedans	606	122	0	0	1	0	582	0	0	0	0	0	0	1,311
LDV - Pickups	387	10	6	0	0	0	1,151	0	0	0	0	0	0	1,554
LDV - SUVs	305	129	0	0	0	0	314	0	0	0	0	0	0	748
LDV - Vans	4	0	0	0	0	0	78	0	0	0	0	0	0	82
Total LDVs	1,302	261	6	0	1	0	2,125	0	0	0	0	0	0	3,695
MDVs	535	0	124	0	0	0	276	0	0	0	0	0	0	935
HDVs	27	0	177	0	0	0	0	0	0	0	0	0	0	204
Total by Fuel Type	1,864	261	307	0	1	0	2,401	0	0	0	0	0	0	4,834

USDA Vehicle Acquisition Requirements

The Department's LDV, MDV, and HDV acquisition (owned, commercially leased, GSA leased) numbers vary from year to year. Vehicle acquisition numbers can range from approximately 4,000 to 6,000, due primarily to the replacement cycle variance used by USDA agencies. GSA leased vehicle replacement cycles are generally every three to four years, while USDA owned vehicles are replaced anywhere from six to ten years. The Forest Service; however, operates on a revolving fund and replaces vehicles more frequently than other USDA agencies. Also, vehicle acquisitions are contingent upon critical mission requirements such as responding to catastrophic events and



increases in food and plant inspection services which can necessitate unplanned vehicle acquisitions and increased petroleum use.

Table 3. USDA Approach to Compliance with EPO Act and E.O. 13423 in FY 2011

AUTHORITY/ MANDATE	PERFORMANCE MEASURE	GOAL/ REQUIREMENT	USDA PERFORMANCE IN FY 2011
EPO Act	AFV Acquisitions	<u>Goal Achieved:</u> 75% of the 3,695 covered light-duty vehicles acquired in FY 2011 (i.e., 2,794 vehicles) must be AFVs	<ul style="list-style-type: none"> ▪ Total EPO Act Credits: 2,606 ▪ Overall EPO Act Compliance Percentage: 256% ▪ Total EPO Act Credits excluding biodiesel fuel use credits: 2,593
E.O. 13423	Alternative Fuel Increase	<u>Goal Achieved:</u> Increase alternative fuel use in AFVs by 10% compared to FY 2005.	USDA achieved the annual 10% alternative fuel increase requirement
	Petroleum Consumption Reduction	<u>FY 2011 Goal Not Achieved:</u> Reduce petroleum by 2% compared to FY 2005 baseline	USDA did not achieve the annual 2% petroleum reduction requirement
E.O. 13514	Petroleum Consumption Reduction	<u>FY 2011 Goal Not Achieved:</u> Reduce petroleum by 2% compared to FY 2005 baseline	USDA did not achieve the annual 2% petroleum reduction requirement

The table above details the Department's compliance with the regulatory goals of EPO Act, E.O. 13423 and E.O. 13514. The Department achieved the 10% annual alternative fuel increase goal; however, the 2% annual petroleum reduction goal was not achieved due an analysis performed by the third largest USDA agency fleet (*over 5,000 vehicles*). Due to more accurate reporting methods, the analysis concluded that the fleet uses more fuel than previously indicated in prior years.



Table 4. USDA FY 2011 Petroleum and Alternative Fuel Consumption

Covered Petroleum Consumption in GGE											
	Baseline										
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Gasoline		15,216,505	16,400,550	15,601,498	15,281,065	16,224,258	18,567,931				
Diesel		527,124	1,522,203	1,462,886	1,689,284	1,696,852	1,777,287				
B20		58,309	2,682	60,009	1,038	10,805	16,648				
Total	18,473,766	15,801,938	17,925,435	17,124,393	16,971,387	17,931,915	20,361,866				
Target		18,104,290	17,734,815	17,365,340	16,995,864	16,626,389	16,256,914	15,887,438	15,517,963	15,148,488	14,779,012
Compliant		Yes	No	Yes	Yes	No	No				
* B20 is the diesel component from covered biodiesel consumption.											
Alternative Fuel Consumption in GGE											
	Baseline										
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
CNG		7,765	3,088	3,005	1,722	937	1,740				
LNG		0	0	0	0	0	1				
LPG		2,035	4,459	0	0	1,603	0				
E-85		151,707	208,885	286,509	353,342	347,127	379,381				
Electric		0	0	0	0	0	0				
M-85		0	0	0	0	0	0				
B100		16,153	16,786	33,082	23,376	2,701	6,412				
Hydrogen		0	0	0	0	509	0				
Total	196,681	177,660	233,218	322,596	378,440	352,877	387,534				
Target		216,349	237,984	261,782	287,960	316,756	348,432	383,275	421,603	463,763	510,139
Compliant		No	No	Yes	Yes	Yes	Yes				

The Department has increased alternative fuel consumption in FY 2011 by approximately **97 %** as compared with the FY 2005 baseline. USDA has developed new initiatives to further increase alternative fuel use in the coming years.



USDA Initiatives for Increasing Alternative Fuel Use and Decreasing Petroleum Use

Continued Planned actions for FY 2012:

- Assists agencies with the development of Vehicle Allocation Methodologies to determine the appropriate size and number of motor vehicles.
- Ensure the overall agency fleet is right-sized to the fleet's mission.
- Provide support to fleet managers at each agency fleet location in selecting petroleum reduction strategies in line with their mission.
- Consolidate individual site-specific strategies into a Department strategy to reduce petroleum and green house gases and increase alternative fuel use.
- Monitor the overall USDA agencies fleet goals meet or exceed all applicable fleet requirements.
- Analyze the feasibility of placing ethanol blender pumps at selected USDA facilities.

Methodology for Reducing Petroleum in Future Years

The Department did not achieve the 2% reduction goal established in E.O. 13423 and E.O.13514. Strategies will be developed and modified in future years to ensure petroleum is reduced by 20% by 2015. Each USDA agency will develop a fleet plan that will reduce fleet GHG emissions, reduce fleet petroleum consumption, and increase alternative fuel consumption. Agencies will also perform an analysis and/or modify current petroleum reduction strategies to ensure accurate data and improve fleet decision making. Agencies will also establish a baseline fleet profile and use that profile to right-size the fleet to the agency mission. This effort will be accomplished through a Vehicle Allocation Methodology (VAM) that is used as a tool for management to ensure the agency has the optimum fleet of vehicles to meet critical mission requirements.

The USDA agencies will review the minimum vehicle requirements needed to support the agency mission at each field office and seek out opportunities to eliminate vehicles that exceed requirements. The following initiatives will be performed to reduce petroleum, increase alternative fuel use, and improve overall fuel economy:

- Focus on reducing green house gas emissions
- Focus on reducing vehicle miles traveled
- Promote Ride sharing
- Focus on right sizing vehicles to agency mission
- Conduct alternative fuel vehicle relocation strategies



- Conduct vehicle utilization studies

Summary

The FY 2011 AFV report documents the Department's achievements relating to full compliance of EPCa and expectations of continued progress in FYs 2012, 2013, and 2014. The report also documents increases in alternative fuel consumption which has aided the Department to fully comply with all mandated alternative fuel consumption regulatory requirements. The increase in petroleum use in FY 2011 will be corrected in future years through the increased use of alternative fuels (E85 and B20 biodiesel) and by implementing the doable initiatives that are currently underway. USDA will continually reevaluate petroleum reduction strategy initiatives to seek new opportunities.

The following barriers continue to impede progress towards petroleum reduction efforts:

- Correct coding of fuel transactions which hinder the ability to capture accurately and consistently alternative fuel purchases.
- Procedures or formulas for government-wide conversion of annual acquisition of fuel economy vehicles into displaced Gasoline Gallon Equivalent (GGEs) or convert miles traveled to displace GGEs.
- Unresolved issues of E85 commercial fuel infrastructure

USDA will continue best efforts to provide the most reliable and accurate petroleum reduction and increased alternative fuel use data possible and will continue to overcome the aforementioned barriers.

Through the efforts of the USDA Sustainable Operations Council's Transportation Work Group the Department will work diligently to achieve and surpass each transportation regulatory goal. The Department will work continually to effectively train its fleet managers to gather and analyze critical fleet related information for the purpose of providing more accurate data. Marketing campaigns will continue to ensure USDA employees are familiar with the benefits of using alternative fuel/decreasing petroleum consumption, and other valuable advantages associated with "Greening" and other energy and environment programs.



EPACT AFV Acquisition Compliance Report

2011 AFV Report: Actual Data (FY2011)

1. Actual Light-Duty Vehicle Acquisitions and Exemptions						
	Acquisitions					
	Leased	Purchased	Total			
Total Light-Duty Vehicle Acquisitions	1,660	2,065	3,725			
Fleet Exemptions: Fleet Size	187	0	187			
Fleet Exemptions: Foreign	0	28	28			
Fleet Exemptions: Geographic	0	0	0			
Fleet Exemptions: Non-MSA Operation	619	1,117	1,736			
Vehicle Exemptions: LE Vehicle	44	0	44			
Vehicle Exemptions: Non-covered Vehicle	0	0	0			
Vehicle Exemptions: Non-MSA Operation	523	189	712			
Total EPAct-Covered Vehicles	287	731	1,018			
2. Actual Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE	Acquisitions			EPAct Credits
			Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	No	433	5	438	438
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Compact	GAS HY ³	No	106	12	118	118
Sedan/St Wgn Midsize	E85 FF	No	99	19	118	118



Sedan/St Wgn Midsize	E85 FF	Yes	17	1	18	0
Sedan/St Wgn Midsize	GAS HY ³	No	1	0	1	1
Sedan/St Wgn Subcompact	CNG DE	No	0	1	1	1
Sedan/St Wgn Subcompact	GAS HY ³	No	0	3	3	3
Sedan/St Wgn Subcompact	GAS PH	No	0	2	2	2
LD Minivan 4x2 (Passenger)	E85 FF	No	44	23	67	67
LD Minivan 4x2 (Passenger)	E85 FF	Yes	2	0	2	0
LD Pickup 4x2	E85 FF	No	14	144	158	158
LD Pickup 4x2	E85 FF	Yes	1	0	1	0
LD Pickup 4x2	GAS HY ³	No	0	4	4	4
LD SUV 4x2	E85 FF	No	21	18	39	39
LD SUV 4x2	E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS HY ³	No	4	27	31	31
LD Van 4x2 (Cargo)	E85 FF	No	0	1	1	1
LD Van 4x2 (Passenger)	E85 FF	No	0	2	2	2
LD Pickup 4x4	DSL AF	No	0	2	2	2
LD Pickup 4x4	E85 FF	No	83	908	991	991
LD Pickup 4x4	E85 FF	Yes	1	0	1	0
LD Pickup 4x4	GAS HY ³	No	0	6	6	6
LD SUV 4x4	E85 FF	No	37	194	231	231
LD SUV 4x4	E85 FF	Yes	5	38	43	0
LD SUV 4x4	GAS HY ³	No	11	87	98	98
LD Van 4x4 (Passenger)	E85 FF	No	1	5	6	6
Medium Duty Vehicles						



MD Other	E85 FF	No	17	99	116	116
MD Pickup	E85 FF	No	32	97	129	129
MD SUV	E85 FF	No	1	2	3	3
MD Van (Cargo)	E85 FF	No	1	3	4	4
MD Van (Passenger)	E85 FF	No	2	22	24	24
Totals:			942	1,725	2,667	2,593

3. Actual EPA Act Acquisition Credits Summary

Base AFV Acquisition Credits:	2,593
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	1
Dedicated Medium Duty AFV Credits:	0
Dedicated Heavy Duty AFV Credits:	0
Biodiesel Fuel Usage Credits:	12
Total EPA Act Credits:	2,606
Overall EPA Act Compliance Percentage:	256 %



EPACT AFV Acquisition Compliance Report

2011 AFV Report: Planned Data (FY2012)

1. Planned Light-Duty Vehicle Acquisitions and Exemptions						
	Acquisitions					
	Leased	Purchased	Total			
Total Light-Duty Vehicle Acquisitions	1,368	1,934	3,302			
Fleet Exemptions: Fleet Size	147	0	147			
Fleet Exemptions: Foreign	0	16	16			
Fleet Exemptions: Geographic	0	10	10			
Fleet Exemptions: Non-MSA Operation	412	1,183	1,595			
Vehicle Exemptions: LE Vehicle	43	5	48			
Vehicle Exemptions: Non-covered Vehicle	0	0	0			
Vehicle Exemptions: Non-MSA Operation	92	151	243			
Total EPAct-Covered Vehicles	674	569	1,243			
2. Planned Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE	Acquisitions			EPAct Credits
			Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	No	506	10	516	516
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Compact	GAS HY ³	No	3	0	3	3
Sedan/St Wgn Midsize	E85 FF	No	141	47	188	188
Sedan/St Wgn Midsize	E85 FF	Yes	17	2	19	0
Sedan/St Wgn Subcompact	ELE DE	No	0	3	3	3
Sedan/St Wgn Subcompact	GAS HY ³	No	0	3	3	3
Sedan/St Wgn Subcompact	GAS PH	No	0	3	3	3
LD Minivan 4x2 (Cargo)	E85 FF	No	0	1	1	1
LD Minivan 4x2 (Passenger)	E85 FF	No	32	21	53	53
LD Minivan 4x2 (Passenger)	E85 FF	Yes	2	0	2	0
LD Pickup 4x2	CNG BI	No	0	12	12	12
LD Pickup 4x2	E85 FF	No	8	76	84	84
LD Pickup 4x2	E85 FF	Yes	1	3	4	0
LD Pickup 4x2	GAS HY ³	No	0	6	6	6
LD SUV 4x2	E85 FF	No	2	1	3	3
LD SUV 4x2	E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS HY ³	No	1	12	13	13
LD Pickup 4x4	CNG BI	No	0	5	5	5
LD Pickup 4x4	E85 FF	No	53	383	436	436



LD Pickup 4x4	E85 FF	Yes	1	1	2	0
LD Pickup 4x4	GAS HY ³	No	0	9	9	9
LD Pickup 4x4	LPG BI	No	0	5	5	5
LD SUV 4x4	E85 FF	No	30	134	164	164
LD SUV 4x4	E85 FF	Yes	6	28	34	0
LD SUV 4x4	GAS HY ³	No	1	44	45	45
LD Van 4x4 (Passenger)	E85 FF	No	1	1	2	2
Medium Duty Vehicles						
MD Other	E85 FF	No	0	31	31	31
MD Pickup	E85 FF	No	1	81	82	82
MD SUV	E85 FF	No	0	12	12	12
MD Van (Cargo)	E85 FF	No	0	2	2	2
MD Van (Passenger)	E85 FF	No	1	1	2	2
Totals:			816	937	1,753	1,683

3. Planned EPA Act Acquisition Credits Summary

Base AFV Acquisition Credits:	1,683
Zero Emission Vehicle (ZEV) Credits:	3
Dedicated Light Duty AFV Credits:	0
Dedicated Medium Duty AFV Credits:	0
Dedicated Heavy Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	8
Total EPA Act Credits:	1,694

EPACT AFV Acquisition Compliance Report

2011 AFV Report: Projected Data (FY2013)

1. Projected Light-Duty Vehicle Acquisitions and Exemptions

	Acquisitions			
	Leased	Purchased	Total	
Total Light-Duty Vehicle Acquisitions	955	2,167	3,122	
Fleet Exemptions: Fleet Size	116	0	116	
Fleet Exemptions: Foreign	0	15	15	
Fleet Exemptions: Geographic	0	10	10	
Fleet Exemptions: Non-MSA Operation	306	1,276	1,582	
Vehicle Exemptions: LE Vehicle	45	2	47	
Vehicle Exemptions: Non-covered Vehicle	0	0	0	
Vehicle Exemptions: Non-MSA Operation	87	160	247	
Total EPA Act-Covered Vehicles	401	704	1,105	



2. Projected Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE	Acquisitions			EPA Act Credits
			Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	No	190	16	206	206
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Compact	GAS HY ³	No	9	3	12	12
Sedan/St Wgn Large	E85 FF	No	0	4	4	4
Sedan/St Wgn Midsize	E85 FF	No	32	68	100	100
Sedan/St Wgn Midsize	E85 FF	Yes	17	2	19	0
Sedan/St Wgn Subcompact	ELE DE	No	0	4	4	4
Sedan/St Wgn Subcompact	GAS HY ³	No	0	4	4	4
Sedan/St Wgn Subcompact	GAS PH	No	0	4	4	4
LD Minivan 4x2 (Cargo)	E85 FF	No	1	0	1	1
LD Minivan 4x2 (Passenger)	E85 FF	No	45	30	75	75
LD Minivan 4x2 (Passenger)	E85 FF	Yes	2	0	2	0
LD Pickup 4x2	CNG BI	No	0	10	10	10
LD Pickup 4x2	E85 FF	No	19	158	177	177
LD Pickup 4x2	E85 FF	Yes	1	0	1	0
LD Pickup 4x2	GAS HY ³	No	0	10	10	10
LD SUV 4x2	E85 FF	No	13	12	25	25
LD SUV 4x2	E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS HY ³	No	0	12	12	12
LD Pickup 4x4	CNG BI	No	0	10	10	10
LD Pickup 4x4	E85 FF	No	95	508	603	603
LD Pickup 4x4	E85 FF	Yes	1	0	1	0
LD Pickup 4x4	GAS HY ³	No	3	15	18	18
LD Pickup 4x4	LPG BI	No	0	10	10	10
LD SUV 4x4	E85 FF	No	40	194	234	234
LD SUV 4x4	E85 FF	Yes	3	45	48	0
LD SUV 4x4	GAS HY ³	No	8	77	85	85
LD Van 4x4 (Passenger)	E85 FF	No	1	5	6	6
Medium Duty Vehicles						
MD Other	E85 FF	No	1	42	43	43
MD Pickup	E85 FF	No	8	14	22	22
MD Pickup	E85 FF	Yes	0	52	52	0
MD SUV	E85 FF	No	0	8	8	8
MD SUV	E85 FF	Yes	1	0	1	0
MD Van (Cargo)	E85 FF	No	0	2	2	2
MD Van (Passenger)	E85 FF	No	2	7	9	9
Totals:			501	1,326	1,827	1,694



3. Projected EAct Acquisition Credits Summary	
Base AFV Acquisition Credits:	1,694
Zero Emission Vehicle (ZEV) Credits:	4
Dedicated Light Duty AFV Credits:	0
Dedicated Medium Duty AFV Credits:	0
Dedicated Heavy Duty AFV Credits:	0
Biodiesel Fuel Usage Credits: ⁴	8
Total EAct Credits:	1,706
Overall EAct Compliance Percentage:	154 %

EPACT AFV Acquisition Compliance Report

2011 AFV Report: Forecast Data (FY2014)

1. Forecast Light-Duty Vehicle Acquisitions and Exemptions						
	Acquisitions					
	Leased	Purchased	Total			
Total Light-Duty Vehicle Acquisitions	1,368	2,061	3,429			
Fleet Exemptions: Fleet Size	182	0	182			
Fleet Exemptions: Foreign	0	15	15			
Fleet Exemptions: Geographic	0	10	10			
Fleet Exemptions: Non-MSA Operation	371	1,166	1,537			
Vehicle Exemptions: LE Vehicle	43	0	43			
Vehicle Exemptions: Non-covered Vehicle	0	0	0			
Vehicle Exemptions: Non-MSA Operation	73	227	300			
Total EAct-Covered Vehicles	699	643	1,342			
2. Forecast Alternative Fuel Vehicle Acquisition Detail						
Vehicle Type	Fuel	LE	Acquisitions			EAct Credits
			Lease	Purchase	Total	
Light Duty Vehicles						
Sedan/St Wgn Compact	E85 FF	No	225	14	239	239
Sedan/St Wgn Compact	E85 FF	Yes	8	0	8	0
Sedan/St Wgn Compact	GAS HY ³	No	200	16	216	216
Sedan/St Wgn Large	E85 FF	No	0	2	2	2
Sedan/St Wgn Midsize	E85 FF	No	106	66	172	172
Sedan/St Wgn Midsize	E85 FF	Yes	17	0	17	0
Sedan/St Wgn Midsize	GAS HY ³	No	0	1	1	1
Sedan/St Wgn Subcompact	ELE DE	No	0	8	8	8
Sedan/St Wgn Subcompact	GAS HY ³	No	0	2	2	2
Sedan/St Wgn Subcompact	GAS PH	No	0	3	3	3
LD Minivan 4x2 (Cargo)	E85 FF	No	0	1	1	1



LD Minivan 4x2 (Passenger)	E85 FF	No	31	27	58	58
LD Minivan 4x2 (Passenger)	E85 FF	Yes	2	0	2	0
LD Pickup 4x2	CNG BI	No	0	10	10	10
LD Pickup 4x2	E85 FF	No	26	158	184	184
LD Pickup 4x2	E85 FF	Yes	1	0	1	0
LD Pickup 4x2	GAS HY ³	No	0	4	4	4
LD Pickup 4x2	LPG BI	No	0	1	1	1
LD SUV 4x2	E85 FF	No	16	13	29	29
LD SUV 4x2	E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS HY ³	No	1	20	21	21
LD Van 4x2 (Cargo)	E85 FF	No	0	1	1	1
LD Van 4x2 (Passenger)	E85 FF	No	0	1	1	1
LD Minivan 4x4 (Passenger)	E85 FF	No	0	2	2	2
LD Pickup 4x4	CNG BI	No	0	10	10	10
LD Pickup 4x4	E85 FF	No	81	531	612	612
LD Pickup 4x4	E85 FF	Yes	1	1	2	0
LD Pickup 4x4	GAS HY ³	No	0	7	7	7
LD Pickup 4x4	LPG BI	No	0	10	10	10
LD SUV 4x4	E85 FF	No	38	179	217	217
LD SUV 4x4	E85 FF	Yes	6	35	41	0
LD SUV 4x4	GAS HY ³	No	4	72	76	76
LD Van 4x4 (Passenger)	E85 FF	No	0	1	1	1
Medium Duty Vehicles						
MD E/ER	E85 FF	No	0	1	1	0
MD Other	E85 FF	No	1	41	42	42
MD Pickup	E85 FF	No	17	15	32	32
MD Pickup	E85 FF	Yes	0	55	55	0
MD SUV	E85 FF	No	0	9	9	9
MD SUV	E85 FF	Yes	5	0	5	0
MD Van (Cargo)	E85 FF	No	0	2	2	2
MD Van (Passenger)	E85 FF	No	3	5	8	8
Totals:			790	1,324	2,114	1,981
3. Forecast EPA Act Acquisition Credits Summary						
Base AFV Acquisition Credits:						1,981
Zero Emission Vehicle (ZEV) Credits:						8
Dedicated Light Duty AFV Credits:						0
Dedicated Medium Duty AFV Credits:						0
Dedicated Heavy Duty AFV Credits:						0
Biodiesel Fuel Usage Credits:⁴						9
Total EPA Act Credits:						1,998
Overall EPA Act Compliance Percentage:						149 %