

**Department of Homeland Security
Alternative Fuel Compliance Report
FY 2011**



**Homeland
Security**



Executive Summary

This Alternative Fuel Compliance Report summarizes the performance of the Department of Homeland Security (DHS) in meeting the requirements of the Presidential Memorandum on Federal Fleet Performance issued in May 2011, the Energy Policy Acts (EPA) of 1992 and 2005; Executive Order (EO) 13423 Strengthening Federal Environmental, Energy, and Transportation Management; and EO 13514, Federal Leadership in Environmental Energy, and Economic Performance.

DHS was formed in early 2002 through the reassignment of components from various Federal agencies, such as the U.S. Coast Guard, U.S. Secret Service, U.S. Citizenship and Immigration Services, Federal Emergency Management Agency, Federal Law Enforcement Training Center, Immigrations and Customs Enforcement, and Customs and Border Protection. Due to the varied and diverse missions, its organizational fleet management structure is decentralized. Each Component operates, maintains, acquires, and funds its own motor vehicle program. The DHS Motor Vehicle Fleet Program is comprised of 56,534 foreign and domestic vehicles which include 48,917 Agency owned, 7,588 GSA leased and 29 commercially leased vehicles.

A significant portion (62%) of DHS's vehicles are utilized in a law enforcement (LE) capacity; such as: marked police patrol, undercover and surveillance, executive and dignitary protection, special purposes such as bomb disposal, and border enforcement functions requiring severe off-road capabilities. As a result, only a small percentage of the DHS fleet was covered by the aforementioned requirements in FY 2011. However, DHS has implemented a three tiered classification for LE vehicles that are used to delineate types of LE vehicles for the purpose of applying sustainability measures to those vehicles. Only vehicles classified as LE1 will be exempted from complying with the mandates outlined in the first paragraph. A version of the aforementioned LE classifications has been adopted by the General Services Administration, resulting in the issuance of Federal Management Regulation Bulletin B-33, "Alternative Fuel Vehicle Guidance for Law Enforcement and Emergency Vehicle Fleets". The three-tiered LE definitions are as follows:

- **LE 1:** An L/E 1 vehicle is configured for apprehensions, arrests, law enforcement, police activities, or dignitary protection and is used in that capacity 75% of the year or more, and assigned to protection, pursuit, or off-road duties. These vehicles must be equipped with heavy duty components to handle the stress of extreme maneuvers and have the horsepower required to achieve the speeds necessary to perform these functions. Exemptions to requirements from applicable laws, regulations, and policies will be sought from the Secretary for these vehicles.
- **LE 2:** An L/E 2 tier vehicle is configured to perform intelligence, investigations, security, and surveillance activities. They may be unmarked or marked units as needed to identify their authority and required as a safety factor at certain law enforcement scenes. These vehicles are not expected to perform pursuit operations either on or off road and do not require the heavy duty components found on an L/E 1 Vehicle. Hybrid vehicles must be considered for these functions. Exemptions to requirements from applicable sustainability laws, regulations and policies will not be sought from the Secretary for these vehicles.



- **L/E 3:** An L/E 3 tier vehicle is a standard vehicle of any make or model that may be used for other law enforcement operations. These vehicles are not expected to perform pursuit operations either on or off road. Hybrid vehicles must be considered for these functions. There will be no exemptions to requirements from applicable sustainability laws, regulations and policies for these vehicles.

Federal Requirements

The May 2011 Presidential memo mandates that by December 31, 2015, all new light duty vehicles leased or purchased by agencies must be alternative fueled vehicles, such as hybrid or electric, compressed natural gas, or bio-fuels.

The Presidential memo further strengthened the requirements of EPCA 1992 which required that 75% of all Federal fleet light duty vehicle (LDV) acquisitions for FY 1999 and beyond, that are capable of being centrally fueled and primarily operated in a metropolitan statistical area (MSA), be alternative fuel vehicles (AFVs).

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 by 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 further strengthens the petroleum reduction and alternative fuel increase consumption requirements of the aforementioned E.O. by requiring Federal agencies to achieve sustainability goals and targets for FY 2011 through FY2020.



The chart below reflects DHS's performance with EPAct, and E.O. Requirements in FY 2011

| Authority /Mandate | Performance Measure | Requirement | DHS Performance in FY 2011 |
|--------------------|--|--|---|
| EPAct 1992 | Alternative Fuel Vehicle (AFV) acquisitions | 75% of the 4,671 light-duty vehicles acquired in FY 2011 must be AFVs. 2,525 were purchased for LE missions and are exempt. | Total EPAct Credits: 1,490 Total EPAct Compliance %: 85% COMPLIANT |
| E.O. 15314 | 2% annual covered petroleum consumption reduction 10% alternative fuel increase, annually | Reduce petroleum consumption in covered vehicles by 2% annually by the end of FY 2020 from FY 2005 baseline of 3,797,688 gasoline gallon equivalents (GGEs). Increase consumption of alt. fuel by 10% annually by the end of FY 2020 from FY 2005 baseline of 222,634 GGEs. | DHS consumed 13,730,955 GGEs of petroleum based products in covered vehicles. NON COMPLIANT DHS consumed 796,984 GGEs of alternative fuel. COMPLIANT |

The chart below reflect the fuel consumption totals from FY 2005 through FY 2011

| 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 | | 2,695,414 | 5,915,998 | 4,370,485 | 5,462,117 | 9,197,435 | 10,957,560 | | | | |
| Diesel | | 1,070,316 | 790,145 | 1,010,453 | 1,261,874 | 5,899,623 | 2,773,009 | | | | |
| B20 | | 0 | 46 | 0 | 0 | 32 | 386 | | | | |
| Total | 3,797,688 | 3,765,730 | 6,706,189 | 5,380,938 | 6,723,991 | 15,097,090 | 13,730,955 | | | | |
| Target | | 3,721,734 | 3,645,780 | 3,569,826 | 3,493,872 | 3,417,919 | 3,341,965 | 3,266,011 | 3,190,057 | 3,114,104 | 3,038,150 |
| Compliant | | No | No | No | No | 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 | | 12,579 | 1,033 | 11,771 | 1,272 | 1,889 | 783 | | | | |
| LNG | | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| LPG | | 0 | 328 | 237 | 1,318 | 168 | 0 | | | | |
| E-85 | | 541,821 | 190,550 | 1,634,832 | 570,702 | 881,745 | 791,650 | | | | |
| Electric | | 0 | 0 | 143 | 0 | 502 | 4,381 | | | | |
| M-85 | | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| B100 | | 391 | 12 | 3,195 | 263 | 8 | 170 | | | | |
| Hydrogen | | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Total | 222,634 | 554,791 | 191,923 | 1,650,178 | 573,555 | 884,312 | 796,984 | | | | |
| Target | | 244,897 | 269,387 | 296,325 | 325,958 | 358,554 | 394,409 | 433,850 | 477,235 | 524,959 | 577,455 |
| Compliant | | Yes | No | Yes | Yes | Yes | Yes | | | | |

*B100 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.



Conclusion

The DHS Motor Vehicle Fleet Program is committed to complying with the requirements of the May 2011 Presidential memo, EPA Act 1992 and 2005, E.O.'s 13423 and 15314, as well as all other Federal mandates. In an effort to meet these mandated requirements, there are ongoing efforts to enhance Component compliance of petroleum consumption, including the re-classification of law enforcement vehicles. DHS will continue implementation of the following actions, some of which were outlined the January 2012 Office of Management and Budget (OMB) Sustainability/Energy Scorecard:

Planned Action #1: Develop a Vehicle Allocation Methodology (VAM) to determine the optimal size of DHS Fleet. The VAM will help identify underutilized or unnecessary vehicles for possible elimination.

Progress for Planned Action #1: DHS began conducting the VAM for all Components starting in Q3 of FY11. Since the initiation of the VAM, DHS has managed to determine utilization and arrive at an optimal fleet inventory for over 56,000 vehicles. Along with performing the VAM study, DHS will report the results to GSA along with a Fleet Management Plan (FMP). One of the portions will address plans for locating/relocating AFVs where the infrastructure exists.

Planned Action #2: Develop an awareness campaign on alternative fuel infrastructure and locating/relocating AFVs, per the Fleet Management Plan (FMP), as required by the May 2011 Presidential Memo.

Progress for Planned Action #2: DHS has identified vehicles that are located within the area of alternative fueling stations that have the potential to utilize alternative fuels. Outreach to field locations and fuel vendors has been initiated.

Planned Action #3: Continue working with the Department of Energy's Federal Energy Management Program (FEMP) to establish a Fleet Sustainability Dashboard for DHS to ensure that vehicles are appropriately fueled.

Progress for Planned Action #3: DHS served as the pilot Agency for the Fleet Sustainability Dashboard. The Dashboard identified potential for alternative fuel utilization for the DHS lease vehicle fleet. DHS has participated working sessions to further examine the Dashboard's capabilities and has been solicited to serve on a working group to determine the feasibility of rolling out the Dashboard to other Federal agencies.



Appendix A

EPACT AFV Acquisition Compliance Report Department of Homeland Security - FY2011

This report provides a summary of DHS's compliance with the alternative fuel vehicle (AFV) acquisition requirements from the Energy Policy Act of 2005 (EPAct). Data is shown for the current year ("actuals") along with projections for compliance for the next three years in the future ("planned", "projected", and "forecast", respectively).

2011 AFV Report: Actual Data (FY2011)

| 1. Actual Light-Duty Vehicle Acquisitions and Exemptions | | | |
|--|--------------|------------|--------------|
| | Acquisitions | | Total |
| | Leased | Purchased | |
| Total Light-Duty Vehicle Acquisitions | 1,691 | 2,980 | 4,671 |
| Fleet Exemptions: Fleet Size | 1 | 0 | 1 |
| Fleet Exemptions: Foreign | 9 | 24 | 33 |
| Fleet Exemptions: Geographic | 46 | 27 | 73 |
| Fleet Exemptions: Non-MSA Operation | 0 | 0 | 0 |
| Vehicle Exemptions: LE Vehicle | 555 | 1,970 | 2,525 |
| Vehicle Exemptions: Non-covered Vehicle | 0 | 2 | 2 |
| Vehicle Exemptions: Non-MSA Operation | 285 | 0 | 285 |
| Total EPAct-Covered Vehicles | 795 | 957 | 1,752 |

| 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 | Covered | 0 | 4 | 4 | 4 |
| Sedan/St Wgn Compact | E85 FF | No | 77 | 26 | 103 | 103 |
| Sedan/St Wgn Compact | E85 FF | Yes | 0 | 1 | 1 | 0 |
| Sedan/St Wgn Compact | GAS HY ³ | No | 36 | 6 | 42 | 42 |
| Sedan/St Wgn Large | E85 FF | Yes | 2 | 72 | 74 | 0 |
| Sedan/St Wgn Midsize | E85 FF | Covered | 0 | 26 | 26 | 26 |
| Sedan/St Wgn Midsize | E85 FF | No | 70 | 27 | 97 | 97 |
| Sedan/St Wgn Midsize | E85 FF | Yes | 22 | 115 | 137 | 0 |
| Sedan/St Wgn Midsize | GAS AF | No | 0 | 2 | 2 | 2 |
| Sedan/St Wgn Midsize | GAS AF | Yes | 0 | 1 | 1 | 0 |
| Sedan/St Wgn Midsize | GAS HY ³ | No | 3 | 0 | 3 | 3 |
| Sedan/St Wgn Subcompact | E85 FF | No | 12 | 0 | 12 | 12 |
| Sedan/St Wgn Subcompact | GAS AF | Covered | 0 | 16 | 16 | 16 |
| Sedan/St Wgn Subcompact | GAS AF | No | 49 | 0 | 49 | 49 |
| Sedan/St Wgn Subcompact | GAS HY ³ | No | 3 | 20 | 23 | 23 |



| | | | | | | |
|-----------------------------|---------------------|---------|-----|-----|-----|-----|
| Low-speed Vehicle | ELE DE | No | 0 | 2 | 2 | 0 |
| LD Minivan 4x2 (Cargo) | E85 FF | No | 4 | 0 | 4 | 4 |
| LD Minivan 4x2 (Passenger) | E85 FF | Covered | 28 | 10 | 38 | 38 |
| LD Minivan 4x2 (Passenger) | E85 FF | No | 129 | 11 | 140 | 140 |
| LD Minivan 4x2 (Passenger) | E85 FF | Yes | 0 | 21 | 21 | 0 |
| LD Pickup 4x2 | E85 FF | Covered | 13 | 7 | 20 | 20 |
| LD Pickup 4x2 | E85 FF | No | 17 | 8 | 25 | 25 |
| LD Pickup 4x2 | E85 FF | Yes | 0 | 20 | 20 | 0 |
| LD Pickup 4x2 | GAS HY ³ | No | 0 | 1 | 1 | 1 |
| LD SUV 4x2 | E85 FF | Covered | 8 | 26 | 34 | 34 |
| LD SUV 4x2 | E85 FF | No | 17 | 11 | 28 | 28 |
| LD SUV 4x2 | E85 FF | Yes | 27 | 23 | 50 | 0 |
| LD SUV 4x2 | GAS AF | Yes | 4 | 4 | 8 | 0 |
| LD SUV 4x2 | GAS HY ³ | Covered | 10 | 3 | 13 | 13 |
| LD SUV 4x2 | GAS HY ³ | No | 11 | 3 | 14 | 14 |
| LD Van 4x2 (Cargo) | E85 FF | No | 0 | 1 | 1 | 1 |
| LD Van 4x2 (Cargo) | E85 FF | Yes | 0 | 1 | 1 | 0 |
| LD Van 4x2 (Passenger) | E85 FF | Covered | 0 | 3 | 3 | 3 |
| LD Van 4x2 (Passenger) | E85 FF | No | 7 | 8 | 15 | 15 |
| LD Van 4x2 (Passenger) | GAS AF | No | 1 | 0 | 1 | 1 |
| LD Minivan 4x4 (Passenger) | E85 FF | No | 0 | 2 | 2 | 2 |
| LD Pickup 4x4 | E85 FF | Covered | 49 | 74 | 123 | 123 |
| LD Pickup 4x4 | E85 FF | No | 66 | 46 | 112 | 112 |
| LD Pickup 4x4 | E85 FF | Yes | 172 | 334 | 506 | 0 |
| LD Pickup 4x4 | GAS AF | Covered | 0 | 2 | 2 | 2 |
| LD Pickup 4x4 | GAS AF | Yes | 0 | 2 | 2 | 0 |
| LD Pickup 4x4 | GAS HY ³ | No | 1 | 0 | 1 | 1 |
| LD SUV 4x4 | E85 FF | Covered | 0 | 158 | 158 | 158 |
| LD SUV 4x4 | E85 FF | No | 65 | 46 | 111 | 111 |
| LD SUV 4x4 | E85 FF | Yes | 24 | 679 | 703 | 0 |
| LD SUV 4x4 | GAS AF | Covered | 0 | 3 | 3 | 3 |
| LD SUV 4x4 | GAS AF | No | 0 | 1 | 1 | 1 |
| LD SUV 4x4 | GAS HY ³ | Covered | 0 | 5 | 5 | 5 |
| LD SUV 4x4 | GAS HY ³ | No | 44 | 66 | 110 | 110 |
| LD SUV 4x4 | GAS HY ³ | Yes | 0 | 1 | 1 | 0 |
| LD Van 4x4 (Cargo) | E85 FF | No | 1 | 2 | 3 | 3 |
| LD Van 4x4 (Passenger) | E85 FF | No | 6 | 1 | 7 | 7 |
| Medium Duty Vehicles | | | | | | |
| MD Other | E85 FF | No | 6 | 5 | 11 | 11 |
| MD Pickup | E85 FF | Covered | 0 | 16 | 16 | 16 |
| MD Pickup | E85 FF | No | 8 | 17 | 25 | 25 |
| MD Pickup | E85 FF | Yes | 0 | 10 | 10 | 0 |
| MD SUV | E85 FF | No | 1 | 1 | 2 | 2 |
| MD SUV | E85 FF | Yes | 0 | 16 | 16 | 0 |
| MD SUV | GAS AF | No | 0 | 1 | 1 | 1 |
| MD Van (Cargo) | E85 FF | No | 10 | 6 | 16 | 16 |



| | | | | | | |
|--------------------|--------|---------|--------------|--------------|--------------|--------------|
| MD Van (Cargo) | E85 FF | Yes | 0 | 8 | 8 | 0 |
| MD Van (Passenger) | E85 FF | Covered | 0 | 7 | 7 | 7 |
| MD Van (Passenger) | E85 FF | No | 51 | 9 | 60 | 60 |
| MD Van (Passenger) | E85 FF | Yes | 0 | 2 | 2 | 0 |
| Totals: | | | 1,054 | 1,999 | 3,053 | 1,490 |

| 3. Actual EPA Act Acquisition Credits Summary | |
|---|-------------|
| Base AFV Acquisition Credits: | 1,490 |
| Zero Emission Vehicle (ZEV) Credits: | 0 |
| Dedicated Light Duty AFV Credits: | 0 |
| Dedicated Medium Duty AFV Credits: | 0 |
| Dedicated Heavy Duty AFV Credits: | 0 |
| Biodiesel Fuel Usage Credits: | 0 |
| Total EPA Act Credits: | 1,490 |
| Overall EPA Act Compliance Percentage: | 85 % |

2011 AFV Report: Planned Data (FY2012)

| 1. Planned Light-Duty Vehicle Acquisitions and Exemptions | | | |
|---|--------------|--------------|--------------|
| | Acquisitions | | Total |
| | Leased | Purchased | |
| Total Light-Duty Vehicle Acquisitions | 904 | 4,242 | 5,146 |
| Fleet Exemptions: Fleet Size | 0 | 0 | 0 |
| Fleet Exemptions: Foreign | 11 | 93 | 104 |
| Fleet Exemptions: Geographic | 61 | 53 | 114 |
| Fleet Exemptions: Non-MSA Operation | 0 | 0 | 0 |
| Vehicle Exemptions: LE Vehicle | 51 | 3,002 | 3,053 |
| Vehicle Exemptions: Non-covered Vehicle | 0 | 0 | 0 |
| Vehicle Exemptions: Non-MSA Operation | 591 | 0 | 591 |
| Total EPA Act-Covered Vehicles | 190 | 1,094 | 1,284 |

| 2. Planned 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 | 86 | 14 | 100 | 100 |
| Sedan/St Wgn Compact | E85 FF | Yes | 0 | 2 | 2 | 0 |
| Sedan/St Wgn Compact | GAS HY ³ | No | 7 | 2 | 9 | 9 |
| Sedan/St Wgn Large | E85 FF | No | 0 | 11 | 11 | 11 |
| Sedan/St Wgn Large | E85 FF | Yes | 1 | 705 | 706 | 0 |
| Sedan/St Wgn Midsize | E85 FF | No | 182 | 42 | 224 | 224 |
| Sedan/St Wgn Midsize | E85 FF | Yes | 9 | 260 | 269 | 0 |
| Sedan/St Wgn Midsize | GAS HY ³ | No | 18 | 19 | 37 | 37 |
| Sedan/St Wgn Subcompact | E85 FF | No | 0 | 2 | 2 | 2 |
| Sedan/St Wgn Subcompact | GAS HY ³ | No | 2 | 2 | 4 | 4 |



| | | | | | | |
|----------------------------|---------------------|-----|------------|--------------|--------------|--------------|
| LD Minivan 4x2 (Cargo) | E85 FF | No | 1 | 0 | 1 | 1 |
| LD Minivan 4x2 (Passenger) | E85 FF | No | 131 | 2 | 133 | 133 |
| LD Minivan 4x2 (Passenger) | E85 FF | Yes | 0 | 105 | 105 | 0 |
| LD Minivan 4x2 (Passenger) | GAS AF | No | 2 | 0 | 2 | 2 |
| LD Pickup 4x2 | CNG BI | No | 1 | 0 | 1 | 1 |
| LD Pickup 4x2 | E85 FF | No | 25 | 7 | 32 | 32 |
| LD Pickup 4x2 | E85 FF | Yes | 0 | 34 | 34 | 0 |
| LD Pickup 4x2 | LPG BI | No | 1 | 0 | 1 | 1 |
| LD SUV 4x2 | E85 FF | No | 11 | 23 | 34 | 34 |
| LD SUV 4x2 | E85 FF | Yes | 3 | 24 | 27 | 0 |
| LD SUV 4x2 | GAS HY ³ | No | 1 | 3 | 4 | 4 |
| LD Van 4x2 (Passenger) | E85 FF | No | 1 | 50 | 51 | 51 |
| LD Van 4x2 (Passenger) | E85 FF | Yes | 0 | 30 | 30 | 0 |
| LD Minivan 4x4 (Passenger) | E85 FF | Yes | 0 | 43 | 43 | 0 |
| LD Pickup 4x4 | E85 FF | No | 22 | 65 | 87 | 87 |
| LD SUV 4x4 | E85 FF | No | 96 | 212 | 308 | 308 |
| LD SUV 4x4 | E85 FF | Yes | 11 | 572 | 583 | 0 |
| LD SUV 4x4 | GAS HY ³ | No | 9 | 23 | 32 | 32 |
| LD Van 4x4 (Passenger) | E85 FF | No | 4 | 7 | 11 | 11 |
| Medium Duty Vehicles | | | | | | |
| MD Pickup | E85 FF | No | 1 | 21 | 22 | 22 |
| MD Pickup | E85 FF | Yes | 0 | 90 | 90 | 0 |
| MD SUV | E85 FF | No | 0 | 30 | 30 | 30 |
| MD SUV | E85 FF | Yes | 0 | 256 | 256 | 0 |
| MD Van (Cargo) | E85 FF | No | 2 | 2 | 4 | 4 |
| MD Van (Passenger) | CNG BI | No | 5 | 0 | 5 | 5 |
| MD Van (Passenger) | E85 FF | No | 2 | 17 | 19 | 19 |
| MD Van (Passenger) | E85 FF | Yes | 0 | 210 | 210 | 0 |
| Totals: | | | 634 | 2,885 | 3,519 | 1,164 |

| 3. Planned EPA Act Acquisition Credits Summary | |
|--|-------------|
| Base AFV Acquisition Credits: | 1,164 |
| Zero Emission Vehicle (ZEV) Credits: | 0 |
| Dedicated Light Duty AFV Credits: | 0 |
| Dedicated Medium Duty AFV Credits: | 0 |
| Dedicated Heavy Duty AFV Credits: | 0 |
| Biodiesel Fuel Usage Credits: ⁴ | 2 |
| Total EPA Act Credits: | 1,166 |
| Overall EPA Act Compliance Percentage: | 91 % |



2011 AFV Report: Planned Data (FY2013)

| 1. Projected Light-Duty Vehicle Acquisitions and Exemptions | | | |
|--|---------------------|------------------|--------------|
| | Acquisitions | | Total |
| | Leased | Purchased | |
| Total Light-Duty Vehicle Acquisitions | 769 | 3,284 | 4,053 |
| Fleet Exemptions: Fleet Size | 0 | 0 | 0 |
| Fleet Exemptions: Foreign | 13 | 81 | 94 |
| Fleet Exemptions: Geographic | 80 | 93 | 173 |
| Fleet Exemptions: Non-MSA Operation | 0 | 0 | 0 |
| Vehicle Exemptions: LE Vehicle | 78 | 2,461 | 2,539 |
| Vehicle Exemptions: Non-covered Vehicle | 0 | 0 | 0 |
| Vehicle Exemptions: Non-MSA Operation | 425 | 0 | 425 |
| Total EPAct-Covered Vehicles | 173 | 649 | 822 |

| 2. Projected 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 | 57 | 9 | 66 | 66 |
| Sedan/St Wgn Compact | E85 FF | Yes | 0 | 6 | 6 | 0 |
| Sedan/St Wgn Compact | GAS HY ³ | No | 8 | 2 | 10 | 10 |
| Sedan/St Wgn Large | E85 FF | No | 0 | 24 | 24 | 24 |
| Sedan/St Wgn Large | E85 FF | Yes | 3 | 442 | 445 | 0 |
| Sedan/St Wgn Midsize | E85 FF | No | 155 | 24 | 179 | 179 |
| Sedan/St Wgn Midsize | E85 FF | Yes | 9 | 553 | 562 | 0 |
| Sedan/St Wgn Midsize | GAS HY ³ | No | 3 | 8 | 11 | 11 |
| Sedan/St Wgn Subcompact | E85 FF | No | 0 | 1 | 1 | 1 |
| Sedan/St Wgn Subcompact | GAS HY ³ | No | 0 | 1 | 1 | 1 |
| LD Minivan 4x2 (Cargo) | E85 FF | No | 5 | 0 | 5 | 5 |
| LD Minivan 4x2 (Passenger) | E85 FF | No | 101 | 2 | 103 | 103 |
| LD Minivan 4x2 (Passenger) | E85 FF | Yes | 0 | 91 | 91 | 0 |
| LD Minivan 4x2 (Passenger) | GAS AF | No | 2 | 0 | 2 | 2 |
| LD Pickup 4x2 | E85 FF | No | 20 | 10 | 30 | 30 |
| LD Pickup 4x2 | E85 FF | Yes | 0 | 20 | 20 | 0 |
| LD SUV 4x2 | E85 FF | No | 11 | 11 | 22 | 22 |
| LD SUV 4x2 | E85 FF | Yes | 13 | 22 | 35 | 0 |
| LD SUV 4x2 | GAS HY ³ | No | 2 | 2 | 4 | 4 |
| LD Van 4x2 (Cargo) | E85 FF | No | 0 | 9 | 9 | 9 |
| LD Van 4x2 (Passenger) | E85 FF | No | 4 | 26 | 30 | 30 |
| LD Van 4x2 (Passenger) | E85 FF | Yes | 0 | 21 | 21 | 0 |



| | | | | | |
|-----------------------------|------------------------|----|------------|--------------|--------------|
| LD Pickup 4x4 | E85 FF No | 32 | 37 | 69 | 69 |
| LD Pickup 4x4 | GAS HY ³ No | 1 | 0 | 1 | 1 |
| LD SUV 4x4 | E85 FF No | 67 | 140 | 207 | 207 |
| LD SUV 4x4 | E85 FF Yes | 40 | 367 | 407 | 0 |
| LD SUV 4x4 | GAS HY ³ No | 12 | 13 | 25 | 25 |
| LD Van 4x4 (Passenger) | E85 FF No | 4 | 4 | 8 | 8 |
| Medium Duty Vehicles | | | | | |
| MD Pickup | E85 FF No | 0 | 11 | 11 | 11 |
| MD Pickup | E85 FF Yes | 0 | 81 | 81 | 0 |
| MD SUV | E85 FF No | 0 | 6 | 6 | 6 |
| MD SUV | E85 FF Yes | 0 | 395 | 395 | 0 |
| MD Van (Cargo) | E85 FF No | 0 | 4 | 4 | 4 |
| MD Van (Passenger) | E85 FF No | 4 | 11 | 15 | 15 |
| MD Van (Passenger) | E85 FF Yes | 0 | 79 | 79 | 0 |
| Heavy Duty Vehicles | | | | | |
| HD | DSL HY ³ No | 1 | 0 | 1 | 1 |
| Totals: | | | 554 | 2,432 | 2,986 |

| 3. Projected EPA Act Acquisition Credits Summary | |
|---|--------------|
| Base AFV Acquisition Credits: | 844 |
| Zero Emission Vehicle (ZEV) Credits: | 0 |
| Dedicated Light Duty AFV Credits: | 0 |
| Dedicated Medium Duty AFV Credits: | 0 |
| Dedicated Heavy Duty AFV Credits: | 0 |
| Biodiesel Fuel Usage Credits: ⁴ | 6 |
| Total EPA Act Credits: | 850 |
| Overall EPA Act Compliance Percentage: | 103 % |



2011 AFV Report: Planned Data (FY2014)

| 1. Forecast Light-Duty Vehicle Acquisitions and Exemptions | | | |
|--|--------------|------------|------------|
| | Acquisitions | | Total |
| | Leased | Purchased | |
| Total Light-Duty Vehicle Acquisitions | 772 | 3,157 | 3,929 |
| Fleet Exemptions: Fleet Size | 0 | 0 | 0 |
| Fleet Exemptions: Foreign | 6 | 75 | 81 |
| Fleet Exemptions: Geographic | 92 | 42 | 134 |
| Fleet Exemptions: Non-MSA Operation | 0 | 0 | 0 |
| Vehicle Exemptions: LE Vehicle | 69 | 2,448 | 2,517 |
| Vehicle Exemptions: Non-covered Vehicle | 0 | 4 | 4 |
| Vehicle Exemptions: Non-MSA Operation | 442 | 0 | 442 |
| Total EPAct-Covered Vehicles | 163 | 588 | 751 |

| 2. Forecast 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 | 42 | 8 | 50 | 50 |
| Sedan/St Wgn Compact | E85 FF | Yes | 0 | 15 | 15 | 0 |
| Sedan/St Wgn Compact | GAS HY ³ | No | 53 | 2 | 55 | 55 |
| Sedan/St Wgn Large | E85 FF | No | 2 | 10 | 12 | 12 |
| Sedan/St Wgn Large | E85 FF | Yes | 7 | 420 | 427 | 0 |
| Sedan/St Wgn Midsize | E85 FF | No | 89 | 39 | 128 | 128 |
| Sedan/St Wgn Midsize | E85 FF | Yes | 7 | 587 | 594 | 0 |
| Sedan/St Wgn Midsize | GAS HY ³ | No | 2 | 11 | 13 | 13 |
| Sedan/St Wgn Subcompact | E85 FF | No | 0 | 1 | 1 | 1 |
| Sedan/St Wgn Subcompact | GAS HY ³ | No | 2 | 1 | 3 | 3 |
| Low-speed Vehicle | ELE DE | No | 0 | 4 | 4 | 0 |
| LD Minivan 4x2 (Cargo) | E85 FF | No | 2 | 0 | 2 | 2 |
| LD Minivan 4x2 (Passenger) | E85 FF | No | 104 | 2 | 106 | 106 |
| LD Pickup 4x2 | E85 FF | No | 44 | 4 | 48 | 48 |
| LD Pickup 4x2 | E85 FF | Yes | 0 | 18 | 18 | 0 |
| LD SUV 4x2 | E85 FF | No | 21 | 11 | 32 | 32 |
| LD SUV 4x2 | E85 FF | Yes | 10 | 38 | 48 | 0 |
| LD SUV 4x2 | GAS HY ³ | No | 4 | 2 | 6 | 6 |
| LD Van 4x2 (Cargo) | E85 FF | No | 1 | 1 | 2 | 2 |
| LD Van 4x2 (Cargo) | E85 FF | Yes | 0 | 2 | 2 | 0 |
| LD Van 4x2 (Passenger) | E85 FF | No | 2 | 23 | 25 | 25 |
| LD Van 4x2 (Passenger) | E85 FF | Yes | 0 | 20 | 20 | 0 |
| LD Pickup 4x4 | E85 FF | No | 54 | 30 | 84 | 84 |
| LD Pickup 4x4 | E85 FF | Yes | 0 | 5 | 5 | 0 |
| LD SUV 4x4 | E85 FF | No | 58 | 128 | 186 | 186 |
| LD SUV 4x4 | E85 FF | Yes | 32 | 373 | 405 | 0 |
| LD SUV 4x4 | GAS HY ³ | No | 10 | 12 | 22 | 22 |



| | | | | | |
|-----------------------------|--------|-------|------------|--------------|--------------|
| LD Van 4x4 (Passenger) | E85 FF | No 2 | 4 | 6 | 6 |
| Medium Duty Vehicles | | | | | |
| MD Pickup | E85 FF | No 2 | 16 | 18 | 18 |
| MD Pickup | E85 FF | Yes 0 | 53 | 53 | 0 |
| MD SUV | E85 FF | No 1 | 12 | 13 | 13 |
| MD SUV | E85 FF | Yes 0 | 436 | 436 | 0 |
| MD Van (Cargo) | CNG DE | No 0 | 2 | 2 | 2 |
| MD Van (Cargo) | E85 FF | No 0 | 4 | 4 | 4 |
| MD Van (Passenger) | E85 FF | No 7 | 9 | 16 | 16 |
| MD Van (Passenger) | E85 FF | Yes 0 | 130 | 130 | 0 |
| Totals: | | | 558 | 2,433 | 2,991 |

| 3. Forecast EPA Act Acquisition Credits Summary | |
|--|--------------|
| Base AFV Acquisition Credits: | 834 |
| Zero Emission Vehicle (ZEV) Credits: | 0 |
| Dedicated Light Duty AFV Credits: | 0 |
| Dedicated Medium Duty AFV Credits: | 4 |
| Dedicated Heavy Duty AFV Credits: | 0 |
| Biodiesel Fuel Usage Credits: ⁴ | 6 |
| Total EPA Act Credits: | 844 |
| Overall EPA Act Compliance Percentage: | 112 % |