

# **FISCAL YEAR 2019 ALTERNATIVE FUEL VEHICLE ACQUISITION REPORT**

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**United States  
Environmental  
Protection Agency**





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## Legislative Requirements

The United States Congress has established laws regarding federal fleet sustainability that make alternative fuel vehicle (AFV) acquisitions and petroleum consumption reduction a priority for federal agencies. Table 1 below summarizes federal fleet requirements for vehicle acquisitions, greenhouse gas (GHG) emissions, and fuel consumption.

**Table 1. Summary of Federal Fleet Requirements**

The Energy Policy Act (EPAct) of 1992, as amended by the Energy Conservation Reauthorization Act of 1998 and Section 2862 of the National Defense Authorization Act of 2008	
<ul style="list-style-type: none"> <li>Acquire 75% of light-duty vehicles as AFVs, unless exempted</li> </ul>	
EPAct of 2005, Section 701	
<ul style="list-style-type: none"> <li>Use alternative fuels to operate dual-fueled vehicles, unless the vehicles qualify for a waiver</li> </ul>	
Energy Independence and Security Act (EISA) of 2007, Section 141	
<ul style="list-style-type: none"> <li>Light-duty (LD) or medium-duty (MD) passenger vehicle acquisitions must be low GHG vehicles (LGHGVs)</li> </ul>	

## Executive Summary of Compliance

**Table 2. The EPA’s Fiscal Year (FY) 2019 Performance in Meeting Federal Fleet Requirements**

Driver	Performance Measure	FY 2019 Goal/Requirement	EPA FY 2019 Performance
EPAct 1992	AFV Acquisitions	75% of the 91 non-exempt, LD vehicles acquired in FY 2019 (i.e., at least 69 AFV credits and acquisitions)	Acquired 70 AFVs and AFV credits, or <b>77%</b> of non-exempt acquisitions
EISA 2007	LGHGV Acquisitions	100% of non-exempt LD and MD passenger vehicles must be LGHGVs (i.e., 58 of 58 covered vehicles)	Achieved <b>100%</b> LGHGV acquisition rate for non-exempt vehicle acquisitions
EPAct 2005 Section 701	Alternative Fuel Usage	Non-waivered dual-fueled vehicles must use <b>100%</b> alternative fuel (i.e., 60,549 gasoline-gallon-equivalents [GGEs] of fuel)	Consumed 11,391 GGEs of alternative fuel, for a compliance rate of <b>19%</b>



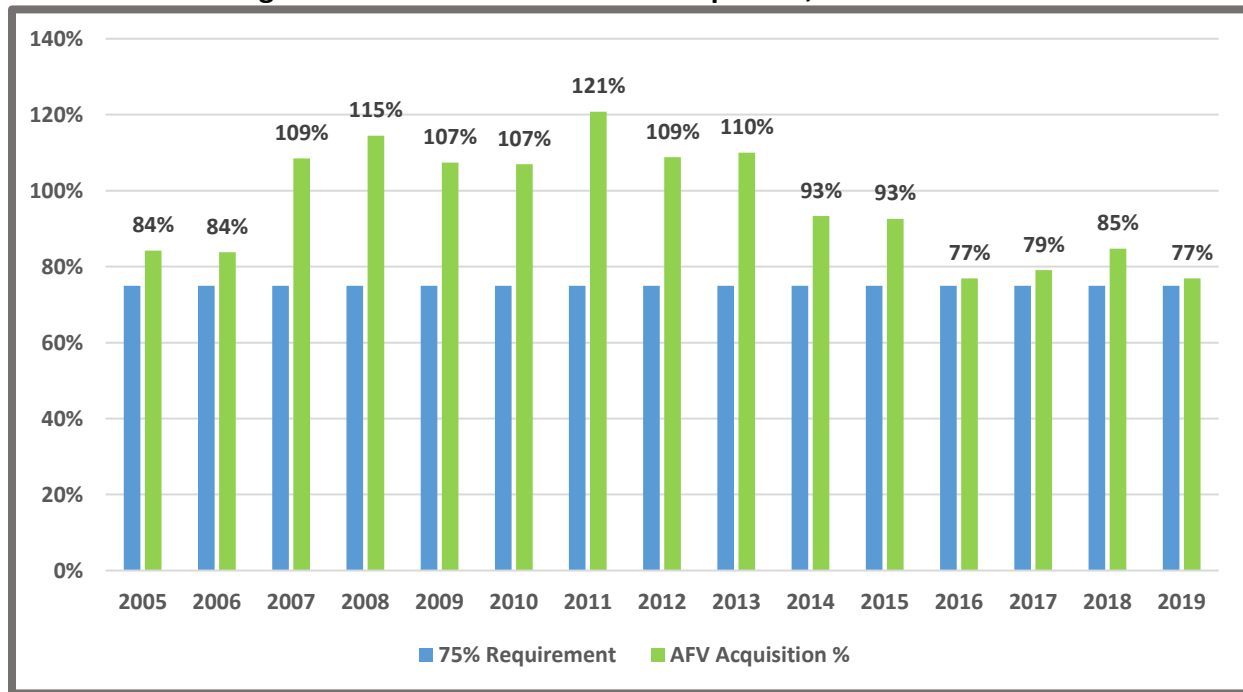
## FY 2019 Compliance with EAct 1992

Table 3. The EPA's FY 2019 Performance in Meeting EAct 1992 Requirements

EAct-Covered Non-Exempt Vehicle Acquisitions	91
AFVs Acquired	70
Additional Credits Earned	0
<b>Total AFVs and Credits (% of non-exempt acquisitions)</b>	<b>77%</b>

The EPA achieved a 77 percent AFV acquisition rate in FY 2019, which exceeds the EAct 1992 requirement of a 75 percent AFV acquisition rate and is consistent with past performance in FYs 2005 through 2018. The EPA anticipates meeting the EAct 1992 AFV acquisition requirements in FY 2020 as well. See Appendix A for an inventory of FY 2019 AFV acquisitions.

Figure 1. The EPA's EAct 1992 Compliance, FYs 2005-2019<sup>1</sup>



<sup>1</sup> Includes credits for petroleum-dedicated AFVs (also known as LGHGVs) and biodiesel use. Percentages can exceed 100 percent of covered acquisitions when the EPA receives AFV credits for non-covered acquisitions and other events.



## FY 2019 Compliance with EAct 2005 Section 701

Table 4. The EPA's FY 2019 Performance in Meeting EAct 2005 Section 701 Requirements

	E85	Gas/Diesel	Total	Percent Alternative Fuel
Volume in GGEs	11,391	49,158	60,549	19%

In FY 2019, non-waivered, dual-fueled EPA vehicles consumed 60,549 GGEs of fuel, which included 11,391 GGEs of alternative fuel (i.e., E85), resulting in an alternative fuel consumption rate of 19 percent.

## FY 2019 Compliance with EISA 2007 Section 141

Table 5. The EPA's FY 2019 Performance in Meeting EISA 2007 Section 141 Requirements

Total FY 2019 Subject Acquisitions	133
Total EISA Exempt FY 2018 Acquisitions	75 (of 133)
Total EISA Non-Exempt FY 2018 Acquisitions	58 (of 133)
Total EISA Compliant Acquisitions	58 (of 58)
FY 2019 Compliance Target	100%
FY 2019 Actual Performance	100%

In FY 2019, the EPA acquired 58 vehicles, all of which were LGHGVs, that were subject to EISA 2007 requirements and resulted in an LGHGV acquisition rate of 100 percent and full compliance with EISA 2007. The EPA will continue to monitor all vehicle acquisitions to ensure that EISA acquisition requirements are met.



## Appendix A: FY 2019 EPAAct-Reported Vehicle Acquisitions

LD Vehicle Acquisitions and Exemptions			
	Leased	Purchased	Total
<b>Total LD Vehicle Acquisitions</b>	<b>129</b>	<b>4</b>	<b>133</b>
Fleet Exemptions: Fleet Size	0	0	0
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	3	0	3
Exemptions: Law Enforcement Vehicle	39	0	46
Exemptions: Non-Covered Vehicle	0	0	0
Exemptions: Non-Metropolitan Statistical Area Operation	0	0	0
<b>Total EPAAct-Covered Vehicles</b>	<b>87</b>	<b>4</b>	<b>91</b>

AFV Acquisition Detail						
Vehicle Type	Fuel	Law Enforcement	Leased	Purchased	Total	EPAAct Credits
<b>LD Vehicles</b>						
Sedan Compact	Gas HY	No	6	0	6	6
Sedan Compact	Gas HY	Yes	5	0	5	0
Sedan Compact	E85 FF	Yes	1	0	1	0
Sedan Compact	Gas/ELE PH	No	1	0	1	1
Sedan Midsize	E85 FF	Yes	1	0	1	0
Sedan Subcompact	Gas HY	No	1	0	1	1
LD Minivan 4x2 (Passenger)	E85 FF	No	5	0	5	5
LD Minivan 4x2 (Passenger)	E85 FF	Yes	1	0	1	0
LD Pickup 4x2	E85 FF	No	5	0	5	5
LD SUV 4x2	Gas DE	No	4	0	4	4
LD SUV 4x2	Gas HY	No	12	0	12	12
LD SUV 4x2	E85 FF	No	1	0	1	1
LD SUV 4x2	E85 FF	Yes	2	0	2	0
LD Pickup 4x4	E85 FF	No	3	0	3	3
LD Pickup 4x4	E85 FF	Yes	6	0	6	0
LD SUV 4x4	Gas DE	No	13	0	13	13
LD SUV 4x4	E85 FF	No	19	0	19	19
<b>MD Vehicles</b>						
MD Pickup	E85 FF	No	3	0	3	3
MD Pickup	E85 FF	Yes	1	0	1	0
MD Van (Cargo)	E85 FF	No	1	0	1	1
MD Van (Passenger)	E85 FF	No	1	0	1	1
<b>Totals:</b>			<b>92</b>	<b>0</b>	<b>92</b>	<b>70</b>

EPAAct Acquisition Credits Summary	
Base AFV Acquisition Credits	70
Zero Emission Vehicle Credits	0
Dedicated LD AFV Credits	0
Dedicated MD AFV Credits	0
Biodiesel Fuel Usage Credits	0
<b>Total EPAAct Credits</b>	<b>70</b>
<b>Total EPAAct-Covered Vehicles</b>	<b>91</b>
<b>Overall EPAAct Compliance Percentage</b>	<b>77%</b>



## Appendix B: Acronyms

Acronym	Phrase
AFV	Alternative fuel vehicle
E85	Ethanol (85% ethanol, 15% petroleum)
FF	Flex-fuel
EISA	Energy Independence and Security Act of 2007
ELE PH	Electric plug-in hybrid
EPAct	Energy Policy Act of 1992
FY	Fiscal year
Gas HY	Gasoline hybrid electric vehicle
GGE	Gasoline gallon equivalent
GHG	Greenhouse Gas
LD/MD/HD	Light-, medium-, or heavy-duty (as determined by gross vehicle weight)
LGHGV	Low greenhouse gas-emitting vehicle
SUV	Sport utility vehicle