

FISCAL YEAR 2020 ALTERNATIVE FUEL VEHICLE ACQUISITION REPORT

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**U.S. Environmental
Protection Agency**





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Legislative Requirements

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"> Acquire 75 percent of light-duty vehicles as AFVs, unless exempted 	
EPAct of 2005, Section 701	
<ul style="list-style-type: none"> Use alternative fuels to operate dual-fueled vehicles, unless the vehicles qualify for a waiver 	
Energy Independence and Security Act (EISA) of 2007, Section 141	
<ul style="list-style-type: none"> Light-duty (LD) or medium-duty (MD) passenger vehicle acquisitions must be low-GHG vehicles (LGHGVs) 	

Executive Summary of Compliance

Table 2. EPA’s Fiscal Year (FY) 2020 Performance in Meeting Federal Fleet Requirements

Driver	Performance Measure	FY 2020 Goal/Requirement	EPA FY 2020 Performance
EPAct 1992	AFV Acquisitions	75 percent of the 52 non-exempt, LD vehicles acquired in FY 2020 (i.e., at least 39 AFV credits and acquisitions)	Acquired 39 AFVs and AFV credits, or 75 percent of non-exempt acquisitions
EISA 2007	LGHGV Acquisitions	100 percent of non-exempt LD and MD passenger vehicles must be LGHGVs (i.e., 56 of 56 covered vehicles)	Achieved 100 percent LGHGV acquisition rate for non-exempt vehicle acquisitions
EPAct 2005 Section 701	Alternative Fuel Usage	Non-waivered dual-fueled vehicles must use 100 percent alternative fuel (i.e., 24,357 gasoline gallon equivalents [GGEs] of fuel)	Consumed 2,241 GGEs of alternative fuel, for a compliance rate of 9 percent



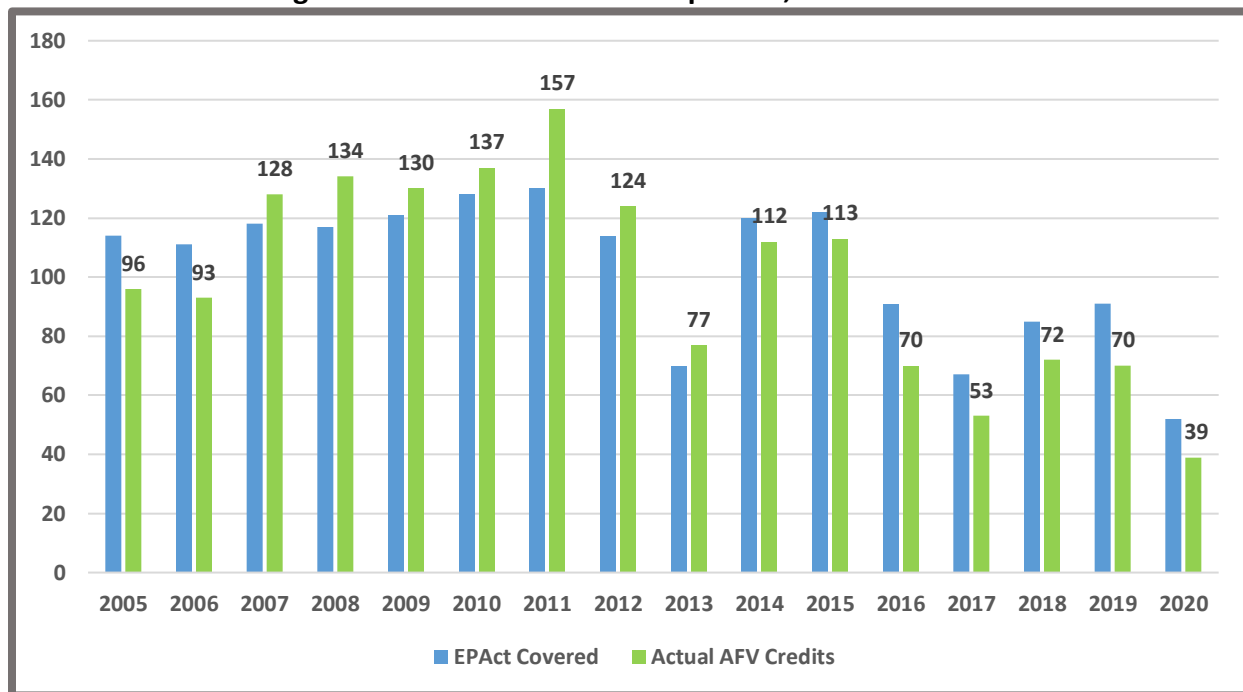
FY 2020 Compliance With EAct 1992

Table 1. EPA's FY 2020 Performance in Meeting EAct 1992 Requirements

EAct Covered Non Exempt Vehicle Acquisitions	52
AFVs Acquired	39
Additional Credits Earned	0
Total AFVs and Credits (% of non exempt acquisitions)	75%

EPA achieved a 75 percent AFV acquisition rate in FY 2020, which meets the EAct 1992 requirement of a 75 percent AFV acquisition rate and is consistent with past performance in FY 2005 through 2019. EPA anticipates meeting the EAct 1992 AFV acquisition requirements in FY 2021 as well. See Appendix A for an inventory of FY 2020 AFV acquisitions.

Figure 1. EPA's EAct 1992 Compliance, FY 2005-2020¹



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



FY 2020 Compliance With EPA Act 2005 Section 701

Table 4. EPA's FY 2020 Performance in Meeting EPA Act 2005 Section 701 Requirements

	E85	Gas/Diesel	Total	Percent
Volume in GGEs	2,241	22,116	24,357	9%

In FY 2020, non-waivered, dual-fueled EPA vehicles consumed 24,537 GGEs of fuel, which included 2,241 GGEs of alternative fuel (i.e., E85), resulting in an alternative fuel consumption rate of 9 percent.

FY 2020 Compliance With EISA 2007 Section 141

Table 5. EPA's FY 2020 Performance in Meeting EISA 2007 Section 141 Requirements

Total FY 2020 Subject Acquisitions	94
Total EISA Exempt FY 2020 Acquisitions	38 (of 94)
Total EISA Non Exempt FY 2020 Acquisitions	56 (of 94)
Total EISA Compliant Acquisitions	56 (of 56)
FY 2020 Compliance Target	100%
FY 2020 Actual Performance	100%

In FY 2020, EPA acquired 56 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. EPA will continue to monitor all vehicle acquisitions to ensure that EISA acquisition requirements are met.



Appendix A: FY 2020 EPAAct-Reported Vehicle Acquisitions

LD Vehicle Acquisitions and Exemptions			
	Leased	Purchased	Total
Total LD Vehicle Acquisitions	94	0	94
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	39
Exemptions: Non-Covered Vehicle	0	0	0
Exemptions: Non-Metropolitan Statistical Area Operation	0	0	0
Total EPAAct-Covered Vehicles	52	0	52

AFV Acquisition Detail						
Vehicle Type	Fuel	Law Enforcement	Leased	Purchased	Total	EPAAct Credits
<i>LD Vehicles</i>						
Sedan Compact	Gas HY	No	10	0	10	10
Sedan Compact	Gas HY	Yes	11	0	11	0
Sedan Subcompact	ELE DE	No	1	0	1	1
Sedan Subcompact	Gas DE	No	2	0	2	2
Sedan Subcompact	Gas HY	Yes	3	0	3	0
LD Minivan 4x2 (Passenger)	Gas DE	No	3	0	3	3
LD Minivan 4x2 (Passenger)	E85 FF	No	4	0	4	4
LD Minivan 4x2 (Passenger)	ELE PH	No	1	0	1	1
LD SUV 4x2	GAS DE	No	1	0	1	1
LD SUV 4x2	ELE PH	No	1	0	1	1
LD Pickup 4x4	E85 FF	No	3	0	3	3
LD Pickup 4x4	E85 FF	Yes	5	0	5	0
LD SUV 4x4	GAS DE	No	2	0	2	2
LD SUV 4x4	GAS HY	No	8	0	8	8
LD SUV 4x4	E85 FF	No	1	0	1	1
<i>MD Vehicles</i>						
MD Pickup	E85 FF	No	1	0	1	1
MD Van (Cargo)	E85 FF	No	1	0	1	1
Totals:			58	0	58	39

EPAAct Acquisition Credits Summary	
Base AFV Acquisition Credits	39
Zero Emission Vehicle Credits	0
Dedicated LD AFV Credits	0
Dedicated MD AFV Credits	0
Biodiesel Fuel Usage Credits	0
Total EPAAct Credits	39
Total EPAAct-Covered Vehicles	52
Overall EPAAct Compliance Percentage	75%



Appendix B: Acronyms

Acronym	Phrase
AFV	Alternative fuel vehicle
E85	Ethanol (<i>85 percent ethanol, 15 percent petroleum</i>)
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