

# FISCAL YEAR 2022 ALTERNATIVE FUEL VEHICLE ACQUISITION REPORT

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U.S. Environmental  
Protection Agency





## Contents

Legislative Requirements.....	1
Executive Summary of Compliance .....	1
FY 2022 Compliance With EPOA 1992 .....	2
FY 2022 Compliance With EPOA 2005, Section 701.....	3
FY 2022 Compliance With EISA 2007, Section 141 .....	3
Appendix A: FY 2022 EPOA Reported Vehicle Acquisitions .....	4
Appendix B: Acronyms .....	5



## 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"> <li>Acquire a minimum 75 percent of light-duty (LD) 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>LD or medium-duty (MD) passenger vehicle acquisitions must be low-GHG vehicles (LGHGVs) or have a functional needs exception (FNE)</li> </ul>	

## Executive Summary of Compliance

**Table 2. EPA’s Fiscal Year (FY) 2022 Performance in Meeting Federal Fleet Requirements**

Driver	Performance Measure	FY 2022 Goal/Requirement	EPA FY 2022 Performance
EPAct 1992	AFV Acquisitions	<b>75 percent</b> of the 13 non-exempt, LD vehicles acquired in FY 2022 (i.e., at least 10 AFV credits and acquisitions)	Acquired 15 AFVs and AFV credits, or <b>115 percent</b> of non-exempt acquisitions
EPAct 2005 Section 701	Alternative Fuel Usage	Non-waivered dual-fueled vehicles must use <b>100 percent</b> alternative fuel (i.e., 68,071 gasoline gallon equivalents [GGEs] of fuel)	Consumed 5,618 GGEs of alternative fuel, for a compliance rate of <b>8.3 percent</b>
EISA 2007 Section 141	LGHGV Acquisitions	<b>100 percent</b> of LD and MD passenger vehicles (i.e., 48 of 48 covered vehicles) must be LGHGVs or have an FNE	Achieved <b>100 percent</b> compliance with LGHGV acquisitions and FNEs



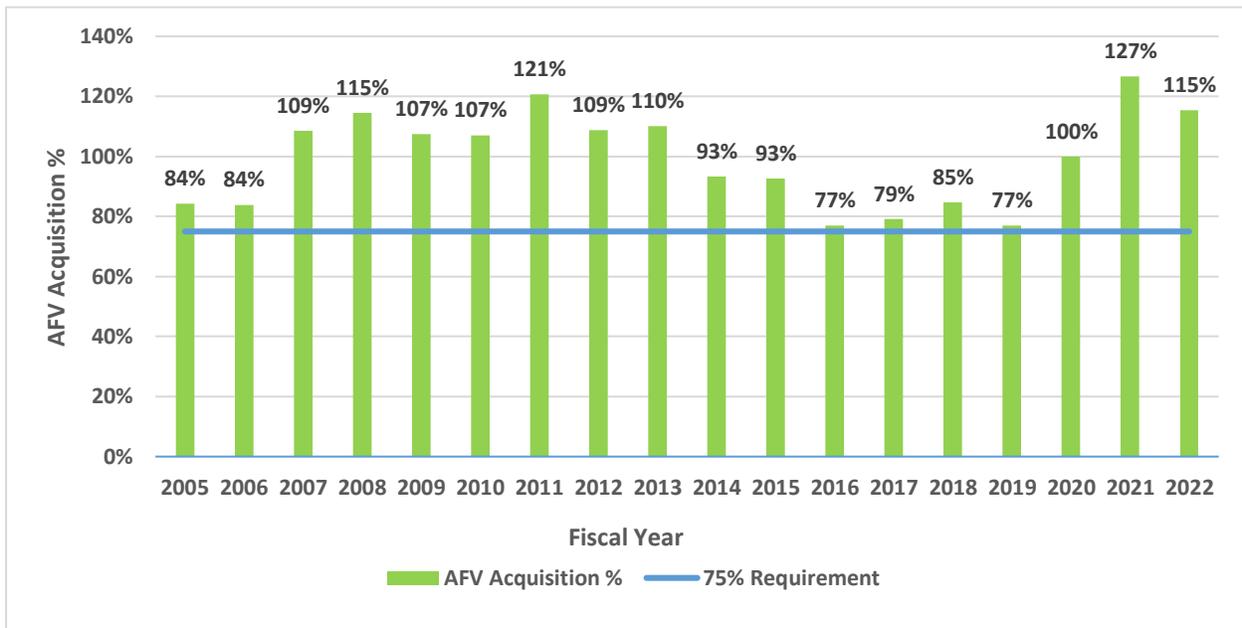
# FY 2022 Compliance With EAct 1992

Table 1. EPA’s FY 2022 Performance in Meeting EAct 1992 Requirements

EAct-Subject Non-Exempt Vehicle Acquisitions	13
AFV Acquisitions	15
Additional AFV Credits Earned	0
Total AFV Acquisitions and Additional AFV Credits	15
Total AFVs and Credits as Percent of EAct-Subject Acquisitions	115%

EPA achieved a 115 percent AFV acquisition rate in FY 2022, which exceeds the EAct 1992 requirement of a 75 percent AFV acquisition rate and is consistent with past performance in FY 2005 through FY 2021. EPA anticipates meeting the EAct 1992 AFV acquisition requirements in FY 2023 as well. See Appendix A for an inventory of EPA’s FY 2022 AFV acquisitions.

Figure 1. EPA’s EAct 1992 AFV Acquisition Compliance Rates, FY 2005-FY 2022<sup>1</sup>



<sup>1</sup> Agencies can receive EAct 1992 AFV credits for AFV acquisitions, petroleum-dedicated vehicle acquisitions that are low-GHG in locations without accessible alternative fuel supply, and biodiesel usage in diesel vehicles. Percentages can exceed 100 percent of covered acquisitions when the number of AFV credits EPA receives exceeds the number of acquisitions subject to EAct 1992.



## FY 2022 Compliance With EAct 2005, Section 701

Table 4. EPA’s FY 2022 Performance in Meeting EAct 2005, Section 701 Requirements

	Alternative Fuel	Gas/Diesel	Total	Percent Alternative Fuel
Volume in GGEs	5,618	62,453	68,071	8.3%

In FY 2022, non-waivered, dual-fueled EPA vehicles consumed 68,071 GGEs of fuel, which included 5,618 GGEs of alternative fuel (i.e., E85 and electricity), resulting in an alternative fuel consumption rate of 8.3 percent.

## FY 2022 Compliance With EISA 2007, Section 141

Table 5. EPA’s FY 2022 Performance in Meeting EISA 2007, Section 141 Requirements

Acquisitions	53
Section 141 Non-Applicable Acquisitions	5 (of 53)
Section 141 Subject Acquisitions	48 (of 53)
LGHGV Acquisitions	28 (of 48)
FNE Acquisitions	20 (of 48)
Total EISA 2007 Compliant Acquisitions	48 (of 48)
FY 2022 Compliance Target	100%
FY 2022 Actual Performance	100%

In FY 2022, EPA acquired 48 vehicles that were subject to EISA 2007, Section 141 requirements, and all 48 were compliant. Of these, 28 were LGHGV acquisitions, and the other 20 non-LGHGV acquisitions had an FNE, resulting in an EISA 2007, Section 141 compliant acquisition rate of 100 percent. EPA will continue to monitor all vehicle acquisitions to ensure that EISA 2007, Section 141 acquisition requirements are met.



## Appendix A: FY 2022 EPA Act Reported Vehicle Acquisitions

LD Vehicle Acquisitions and Exemptions			
	Leased	Purchased	Total
<b>Total LD Vehicle Acquisitions</b>	<b>46</b>	<b>0</b>	<b>46</b>
Fleet Exemptions: Fleet Size	5	0	5
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	4	0	4
Exemptions: Law Enforcement Vehicle	24	0	24
Exemptions: Non-Covered Vehicle	0	0	0
Exemptions: Non-Metropolitan Statistical Area Operation	0	0	0
<b>Total EPA Act Covered Vehicles</b>	<b>13</b>	<b>0</b>	<b>13</b>

AFV Acquisition Detail						
Vehicle Type	Fuel	Law Enforcement	Leased	Purchased	Total	EPA Act Credits
<i>LD Vehicles</i>						
Sedan Subcompact	GAS HY	Yes	1	0	1	0
LD Minivan 4x2 (Passenger)	GAS/E85 FF	Yes	1	0	1	0
LD Minivan 4x2 (Passenger)	GAS/ELE PH	No	3	0	3	3
LD SUV 4x2	GAS HY	No	5	0	5	5
LD SUV 4x2	GAS/E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS/ELE PH	No	1	0	1	1
LD Pickup 4x4	GAS/E85 FF	Yes	1	0	1	0
LD SUV 4x4	GAS HY	Yes	1	0	1	0
LD SUV 4x4	GAS/E85 FF	No	2	0	2	2
LD SUV 4x4	GAS/E85 FF	Yes	1	0	1	0
LD SUV 4x4	GAS/ELE PH	No	1	0	1	1
<i>MD Vehicles</i>						
MD Pickup	GAS/E85 FF	No	2	0	2	2
MD Van (Passenger)	GAS/E85 FF	No	1	0	1	1
<b>Totals</b>			<b>21</b>	<b>0</b>	<b>21</b>	<b>15</b>

EPA Act Acquisition Credits Summary	
<b>Base AFV Acquisition Credits</b>	<b>15</b>
Zero Emission Vehicle Credits	0
Dedicated LD AFV Credits	0
Dedicated MD AFV Credits	0
Biodiesel Fuel Usage Credits	0
<b>Total EPA Act Credits</b>	<b>15</b>
<b>Total EPA Act Covered Vehicles</b>	<b>13</b>
<b>Overall EPA Act Compliance Percentage</b>	<b>115%</b>



## Appendix B: Acronyms

Acronym	Phrase
AFV	Alternative fuel vehicle
GAS/E85	Ethanol ( <i>85 percent ethanol, 15 percent petroleum</i> )
FF	Flex-fuel
EISA	Energy Independence and Security Act of 2007
GAS/ELE PH	Electric plug-in hybrid
FNE	Functional needs exception
EPAct	Energy Policy Act
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