

# **FISCAL YEAR 2023 ALTERNATIVE FUEL VEHICLE ACQUISITION REPORT**

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**U.S. Environmental  
Protection Agency**





## Contents

Legislative Requirements .....	1
Executive Summary of Compliance.....	1
FY 2023 Compliance With EPOA 1992.....	2
FY 2023 Compliance With EPOA 2005, Section 701 .....	3
FY 2023 Compliance With EISA 2007, Section 141 .....	3
Appendix A: FY 2023 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) 2023 Performance in Meeting Federal Fleet Requirements**

Driver	Performance Measure	FY 2023 Goal/Requirement	EPA FY 2023 Performance
EPAct 1992	AFV Acquisitions	<b>75 percent</b> of the 46 non-exempt, LD vehicles acquired in FY 2023 (i.e., at least 35 AFV credits and acquisitions)	Acquired 43AFVs and AFV credits, or <b>93 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., 84,387 gasoline gallon equivalents [GGEs] of fuel)	Consumed 6,046 GGEs of alternative fuel, for a compliance rate of <b>7.2 percent</b>
EISA 2007 Section 141	LGHGV Acquisitions	<b>100 percent</b> of LD and MD passenger vehicles (i.e., 119 of 119 covered vehicles) must be LGHGVs or have an FNE	Achieved <b>100 percent</b> compliance with LGHGV acquisitions and FNEs



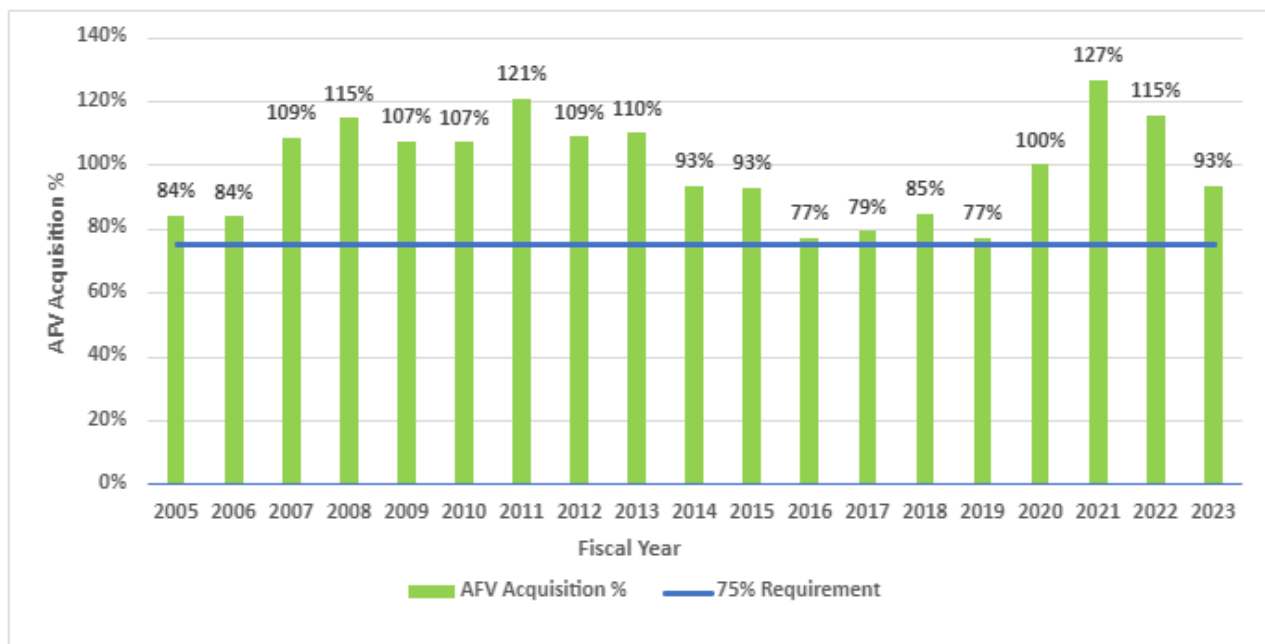
## FY 2023 Compliance With EAct 1992

Table 1. EPA’s FY 2023 Performance in Meeting EAct 1992 Requirements

EPAct-Covered Non-Exempt Vehicle Acquisitions	46
AFVs Acquired	43
Additional Credits Earned	0
<b>Total AFVs and Credits (% of non-exempt acquisitions)</b>	<b>93%</b>

EPA achieved a 93 percent AFV acquisition rate in FY 2023, which meets the EAct 1992 requirement of a 75 percent AFV acquisition rate and is consistent with past performance in FY 2005 through FY 2022. EPA anticipates meeting the EAct 1992 AFV acquisition requirements in FY 2024 as well. See Appendix A for an inventory of EPA’s FY 2023 AFV acquisitions.

Figure 1. EPA’s EAct 1992 AFV Acquisition Compliance Rates, FY 2005-FY 2023<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 EPA receives AFV credits for non-covered acquisitions and other events.



## FY 2023 Compliance With EAct 2005, Section 701

Table 4. EPA’s FY 2023 Performance in Meeting EAct 2005, Section 701 Requirements

	Alternative Fuel	Gas/Diesel	Total	Percent Alternative Fuel
Volume in GGEs	6,046	78,341	84,387	7.2%

In FY 2023, non-waivered, dual-fueled EPA vehicles consumed 84,387 GGEs of fuel, which included 6,046 GGEs of alternative fuel (i.e., E85 and electricity), resulting in an alternative fuel consumption rate of 7.2 percent.

## FY 2023 Compliance With EISA 2007, Section 141

Table 5. EPA’s FY 2023 Performance in Meeting EISA 2007, Section 141 Requirements

Acquisitions	131
Section 141 Non-Applicable Acquisitions	12 (of 131)
Section 141 Subject Acquisitions	119 (of 131)
LGHGV Acquisitions	48 (of 119)
FNE Acquisitions	71 (of 119)
Total EISA 2007 Compliant Acquisitions	119 (of 119)
FY 2023 Compliance Target	100%
FY 2023 Actual Performance	100%

In FY 2023, EPA acquired 119 vehicles that were subject to EISA 2007, Section 141 requirements, and all 119 were compliant. Of these, 48 were LGHGV acquisitions, and the other 71 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 2023 EPA Act Reported Vehicle Acquisitions

LD Vehicle Acquisitions and Exemptions			
	Leased	Purchased	Total
<b>Total LD Vehicle Acquisitions</b>	<b>116</b>	<b>3</b>	<b>119</b>
Fleet Exemptions: Fleet Size	20	0	20
Fleet Exemptions: Foreign	0	0	0
Fleet Exemptions: Geographic	1	0	1
Exemptions: Law Enforcement Vehicle	52	0	52
Exemptions: Non-Covered Vehicle	0	0	0
Exemptions: Non-Metropolitan Statistical Area Operation	0	0	0
<b>Total EPA Act Covered Vehicles</b>	<b>43</b>	<b>3</b>	<b>46</b>

AFV Acquisition Detail						
Vehicle Type	Fuel	Law Enforcement	Leased	Purchased	Total	EPA Act Credits
<i>LD Vehicles</i>						
Sedan Compact	GAS HY	No	4	0	4	4
Sedan Compact	GAS HY	Yes	6	0	6	0
Sedan Subcompact	ELE DE	No	3	0	3	3
LD Minivan 4x2 (Passenger)	GAS/ELE PH	No	5	0	5	5
LD SUV 4x2	ELE DE	No	3	0	3	3
LD SUV 4x2	GAS/E85 FF	Yes	1	0	1	0
LD SUV 4x2	GAS/ELE PH	No	22	0	22	22
LD Pickup 4x4	GAS/E85 FF	Yes	1	0	1	0
LD SUV 4x4	GAS HY	No	2	0	2	2
LD SUV 4x4	GAS HY	Yes	1	0	1	0
LD SUV 4x4	GAS/E85 FF	No	1	0	1	1
LD SUV 4x4	GAS/E85 FF	Yes	1	0	1	0
<i>MD Vehicles</i>						
MD Pickup	GAS/E85 FF	No	1	0	1	1
MD Van (Cargo)	ELE DE	No	1	0	1	1
MD Van (Cargo)	GAS/E85 FF	No	1	0	1	1
MD Van (Cargo)	GAS/E85 FF	Yes	1	0	1	0
<b>Totals</b>			<b>54</b>	<b>0</b>	<b>54</b>	<b>43</b>

EPA Act Acquisition Credits Summary	
<b>Base AFV Acquisition Credits</b>	<b>43</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>43</b>
<b>Total EPA Act Covered Vehicles</b>	<b>46</b>
<b>Overall EPA Act Compliance Percentage</b>	<b>93%</b>



## Appendix B: Acronyms

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