Form DOE/FCVT/101: Standard Compliance Reporting Spreadsheet

Alternative Fuel Vehicle Credits

Collection of data for this program has been approved by the Office of Management and Budget (OMB). The OMB control number for this activity is 1910-5101 and the expiration date is MM/DD/YYYY. Respondents are not required to file a reply to any federal collection of information unless it has a valid OMB control number. Public reporting burden for this collection of information is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data, and completing and reviewing the collection of information. Reporting forms and tools for online reporting for state and alternative fuel provider fleets are available at http://www1.eere.energy.gov/vehiclesandfuels/epact/stand_comp_resources.html#guidance

To submit your annual report using this spreadsheet form, insert your data into this form and save it on your computer. Then send the completed spreadsheet file to L-3 Communications at afv_credit_acct@L-3com.com. You may want to save the original form, before you fill it out, as a distinct file for future use.

PLEASE DO **NOT** CHANGE ANY OF THIS SPREADSHEET'S CELLS (e.g., by moving them or changing their format) OTHER THAN TO INSERT YOUR DATA IN THE APPROPRIATE CELLS.

COLOR KEY	
	Input cells
	Calculated cells (do not enter values in these cells)
	problem flag (e.g., duplicate VIN numbers)
	Leave blank

Fleet Identification (* required field)

Fleet ID Number:	
*Fleet Name:	
Local name:	
Parent Organization:	
*Fleet Type:	S
*Mailing Address:	
*City:	
*State:	
*Zip (xxxxx-xxxx):	

(Parent Organization is parent company name, if applicable, for fuel provider fleet or state name for state fleet)

Point of Contact Information

POC ID Number:	
*Name:	
Mailing Address (if different from fleet mailing address)	
City:	
State:	
Zip (xxxxx-xxxx):	
*Phone:	
*Fax:	
*E-Mail:	

Banked Credits: more info — Optional; Enter the number of banked credits from previous year's report

Publicize Fleet if it has Banked Credits: Yes more info

If this is the first year in which you have a vehicle acquisition requirement (first reporting year), you may be able to obtain credit for alternative fuel vehicles you acquired before you were subject to reporting. more info

Model Year Data

Reporting Model Year: Err:502 to 8/31/1900

Light Duty Vehicles Acquired: more info

Reporting Model Year AFV Acquisition Requirement: **0** more info

Annual Report Data

All values listed are estimates based on your input. Your report must be validated by the Vehicle Technologies Program

Credits Obtained for Acquisition of Light Duty Alternative Fuel Vehicles		Go to "Alternative Fuel LDVs" sheet to enter or view
Credits Obtained for Acquisition of Light Duty Emerging Technology Vehicles		Go to "LD Emerging Technology Vehicles" sheet to en
Credits Obtained for Acquisition of qualifying alternative refueling infrastructure	0	Go to "Alternative Refueling Infrastructure" sheet to
Credits Obtained for Acquisition of qualifying alternative fuel non-road equipment	0	Go to "Alternative Fuel Non-Road Equipment" sheet t
	0	
Total credits	0	Sum of all categories rounded to the nearest whole number
Credits Obtained for Acquisition of Medium and Heavy Duty Alternative Fuel Vehicles		Go to "Alternative Fuel Med-Hvy Veh" sheet to enter
Credits Obtained for Acquisition of Emerging Technology Medium and Heavy Duty Alternative Fuel Vehicles		Go to "HD Emerging Technology Vehicle" sheet to en
Total Credits Obtained for Acquisition of Medium and Heavy Duty Alternative Fuel Vehicles	0	

Biodiesel Use

☒ medium or heavy duty (>8,500 lb) vehicles,

	Biodiesel Blend	Percentage of Pure Biodiesel (B100) in Blend (% by volume). Blend must be 20% or more B100	Gallons of Biodiesel Blend Purchased for Use in Reporting Model Year	Gallons of B100
Example	Tank 1 blend	20	2250	450
Fill in this table	Biodiesel Blend	Percentage of Pure Biodiesel (B100) in Blend (% by volume). Blend must be 20% or more B100	Gallons of Biodiesel Blend Purchased for Use in Reporting Model Year	Gallons of B100
				0
				0
				0
				0
			Total	0

Biodiesel Used (gallons of B100): 0

Biodiesel Credits 0 — One AFV credit is assigned for each 450 gallons of pure biodiesel (B100) use up to 50% of the AFV acquisition requirement

Credits Toward Requirement 0 — Credits toward requirement include all light duty AFVs acquired during the model year (as shown on the "Alternative Fuel LDVs" sheet), credits based on investment in alternative fuel infrastructure, emerging technology vehicles, and non-road

LDVs' sheet) + credits based on investment in alternative fuel infrastructure, emerging technology vehicles, and non-road equipment + Biodiesel (up to applicable limits)

Credits to bank =	0	
Banked Credits Applied:	0	You do not need to apply any banked credits to meet the requirement
Total earned and applied credits	0	
Reporting Model Year Credit Balance	0	

You have met the alternative fuel vehicle requirement and you have 0 credits to bank for next year

Credit Trades

Credit Trade Status (Check One)

☐ has been approved

☐ Transfer form for this trade has been

☐ a credit transfer

Purchases		**Sales**	
Number of credits purchased or planned	0	Number of credits purchased or planned	
Selling Fleet		Purchasing Fleet	
Date of Trade		Date of Trade	

Final check

Credit Activity Report Summary

Alternative Fuel Vehicles Acquired Prior to Reporting	0	
Light Duty Alternative Fuel Vehicle Credits		
Credits for acquisition of emerging technology vehicles, alternative fuel refueling infrastructure, and non-road equipment	0	
Biodiesel Credits	0	
Medium and Heavy Duty Alternative Fuel Vehicle Credits		
Banked Credits Applied Toward Requirement	0	
Credits to Bank	0	
Banked Credit Balance	0	
Purchased Credits	0	0
Credits Sold	0	

Notes:

1. Acquisition dates must not be earlier than 10/24/92 or later than Aug. 31 of the year for which you are reporting
2. Conversion dates for self-converted vehicles (SCon) must be within 4 months of the acquisition date (except vehicles acquired between 10/14/92 and 8/31/96 that can be converted up to 4 months after the fleet's acquisition requirements begin)

Light Duty Alternative Fuel Vehicle Data

Vehicles less than or equal to 8,500 lbs gross vehicle w

Flags

Fill out all green fields to receive credit. Duplicate VIN number

back to Annual Report Data sheet

Total Credits

Vehicles with missing or potentially invalid fields

Vehicle Number	Potential Credits	Light Duty Vehicle	Make	Model
1		Y		
2		Y		
3		Y		
4		Y		
5		Y		
6		Y		
7		Y		
8		Y		
9		Y		
10		Y		
11		Y		
12		Y		
13		Y		
14		Y		
15		Y		
16		Y		
17		Y		
18		Y		
19		Y		
20		Y		

eight

s and conversion dates outside the allowable time period will be highlighted

Model Year	VIN (17 char, no O, I)	Vehicle Category Code more info	Engine Configuration	Fuel Type more info	Acquisition Date

Conversion?	Conversion Date	Zip Code

Medium & Heavy Duty Alternative Fuel Vehicle Data

Vehicles greater than 8,500 lbs gross vehicle weight.

Fill out all green fields to receive credit. Duplicate VIN numbers and co

back to Annual Report Data sheet

Total Credits **0**

Vehicle Number	Credits	Light Duty Vehicle	Make	Model	Model Year
1		N			
2		N			
3		N			
4		N			
5		N			
6		N			
7		N			
8		N			
9		N			
10		N			
11		N			
12		N			
13		N			
14		N			
15		N			

nversion dates outside the allowable time period will be highlighted

VIN (17 char, no O, I) Duplicate values will be highlighted in yellow	Vehicle Category Code more info	Engine Configuration	Fuel Type more info	Acquisition Date	Conversion Mode

Conversion Date	Zip Code

Emerging Technology Alternative Fuel Vehicle Data

Pre-production or pre- commercially available vehicles of the following typ
vehicle (HVEV), neighborhood electric vehicle (NEV), plug-in electric drive

Credits may be based on the number of vehicles purchased (see the vehicle cat
is alloted per $25,000 investment.

more info Vehicle category table

Fill out all green fields to receive credit. Duplicate VIN numbers and conversi

Total Investment in Eligible Equipment	
Total Number of Eligible Emerging Technology Alternative Fuel Vehicles	
Total number of potential credits based on acquisition alone	

Suggested allocation of credits between vehicle acquisition and investment	more info
Number of Vehicles for which credit should be based on investment	
Credits based on Investment	
Credits based on vehicle acquisition	**0**
Total Number of Credits for Emerging Technology Vehicles	**0**

Your selected allocation of credits between vehicle acquistion and investment	
Number of Vehicles for which credit is based on investment	
Credits based on Investment	
Number of vehicles for which credit is based on acquistion	
Credits based on acquisition	
Total Number of Credits for Emerging Technology Vehicles	

back to Annual Report Data sheet

Vehicle Number	Eligible for Credit	Potential Credit Based on Acquisition	Make	Model	Vehicle Manufacture Model Year
1		0			
2		0			
3		0			
4		0			
5		0			
6		0			
7		0			
8		0			
9		0			
10		0			
11		0			
12		0			
13		0			
14		0			
15		0			
16		0			
17		0			
18		0			
19		0			
20		0			

ɔes; Fuel cell electric vehicle (FCEV), hybrid electric vehicle (HEV), medium or hea
vehicle (PHEV)

egory table for the number of credits) or on the amount invested. For credits based on ir

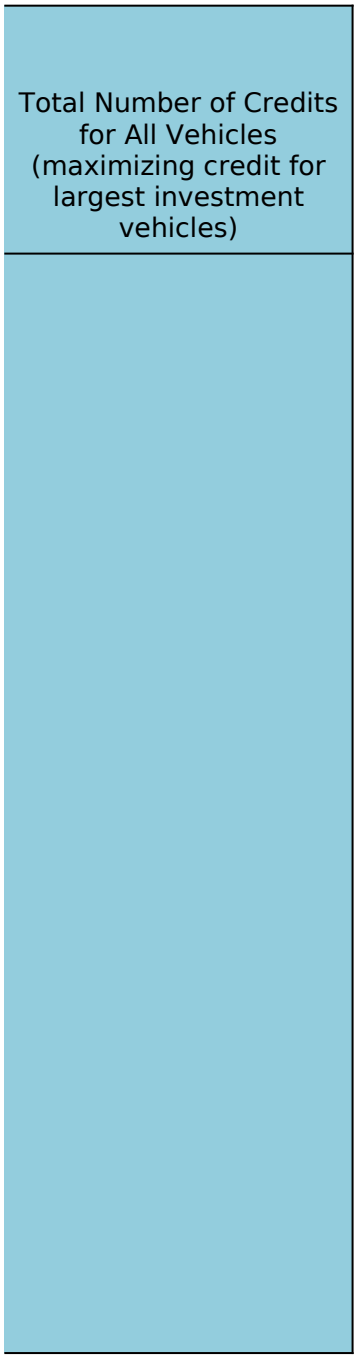
ɔn dates outside the allowable time period will be highlighted

Maximum Investment Credit Allocation Location reference		#N/A	
Number of vehicles	Cumulative Investment Values Ranked Largest to Smallest based on Weighted Total Investment in Eligible Equipment	Credits Based on Investment for These Vehicles	Credits Based on Vehicle Acquisition for These Vehicles
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

VIN (17 char, no O, I) Duplicate VIN numbers will be highlighted in yellow	Vehicle Category Code more info	Engine Configuration more info	Fuel Type

ıavy duty electric

ıvestment, one credit



Acquisition Date	ZIP code	Investment ($)	Eligible Investment ($)
		$ 30,000	$ -
		$ 30,000	$ -
		$ 10,000	$ -
		$ 10,000	$ -
		$ 20,000	$ -
		$ 22,000	$ -
		$ 20,000	$ -
		$ 25,000	$ -
		$ 15,000	$ -
		$ 20,000	$ -
		$ 20,000	$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -

Base Credit on Investment or Vehicle Acquisition?	Weighted Total Investment in Eligible Equipment	Running total Investment
more info		
Acquisition	$ 25,000	0
Investment	$ 25,000	0
Acquisition	$ 25,000	0
Acquisition	$ 25,000	0
Acquisition	$ 25,000	0
Investment	$ 25,000	0
Acquisition	$ 25,000	0
Acquisition	$ 25,000	0
Investment	$ 25,000	0
Investment	$ 25,000	0
Investment	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0
	$ 25,000	0

Medium and Heavy Duty Emerging Technology Alternati

Pre-production or pre- commercially available vehicles of the following typ
vehicle (HVEV), neighborhood electric vehicle (NEV), plug-in electric drive

Credits may be based on the number of vehicles purchased (see the vehicle cat
is alloted per $25,000 investment. Credit can be obtained for medium and heav

more info Vehicle category table

Fill out all green fields to receive credit. Duplicate VIN numbers and conversio

Total Investment in Eligible Equipment	
Total Number of Eligible Emerging Technology Alternative Fuel Vehicles	
Total number of potential credits based on acquisition alone	

Suggested allocation of credits between vehicle acquisition and investment	
Credits based on Investment	**#N/A**
Credits based on vehicle acquisition	**#N/A**
Total Number of Credits for Emerging Technology Vehicles	**#N/A**
Number of Vehicles for which credit should be based on investment	**#N/A**
	#N/A

Your selected allocation of credits between vehicle acquistion and investment	
Number of Vehicles for which credit is based on investment	
Credits based on Investment	
Number of vehicles for which credit is based on acquistion	
Credits based on acquisition	
Total Number of Credits for Emerging Technology Vehicles	**0**

back to Annual Report Data sheet

Vehicle Number	Eligible for Credit	Potential Credit Based on Acquisition	Make	Model	Vehicle Manufacture Model Year
1	No				
2	No				
3	No				
4	No				
5	No				
6	No				
7	No				
8	No				
9	No				
10	No				
11	No	**0**			
12	No	**0**			
13	No	**0**			
14	No	**0**			
15	No	**0**			
16	No	**0**			
17	No	**0**			
18	No	**0**			
19	No	**0**			
20	No	**0**			

ve Fuel Vehicle Data

ɔes; Fuel cell electric vehicle (FCEV), hybrid electric vehicle (HEV), medium or hea
vehicle (PHEV)

egory table for the number of credits) or on the amount invested. For credits based on ir
y duty vehicles only after the vehicle acquisition requirement has been met.

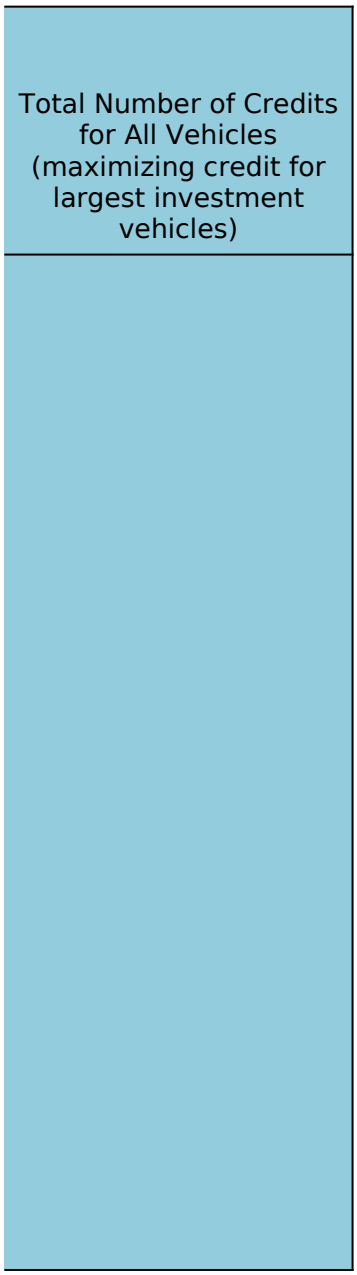
ɔn dates outside the allowable time period will be highlighted

Maximum Investment Credit Allocation Location reference		#N/A	
Number of vehicles	Cumulative Investment Values Ranked Largest to Smallest based on Weighted Total Investment in Eligible Equipment	Credits Based on Investment for These Vehicles	Credits Based on Vehicle Acquisition for These Vehicles
1		0	
2		0	
3		0	
4		0	
5		0	
6		0	
7		0	
8		0	
9		0	
10		0	
11		0	
12		0	
13		0	
14		0	
15		0	
16		0	
17		0	
18		0	
19		0	
20		0	

VIN (17 char, no O, I) Duplicate VIN numbers will be highlighted in yellow	Vehicle Category Code more info	Engine Configuration more info	Fuel Type

ıvy duty electric

ıvestment, one credit



Acquisition Date	ZIP code	Investment ($)	Eligible Investment ($)
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -
			$ -

Base Credit on Investment or Vehicle Acquisition?	Weighted Total Investment in Eligible Equipment
more info	
	$ -
	$ -
	$ -
	$ -
	$ -
	$ -
	$ -
	$ -
	$ -
	$ -

Refueling Infrastructure Investments

Alternative fueling or charging/battery exchange stations

Fill out all green fields and check the certifications b

	Maximum Number of Credits for the Refueling Infrastructure Category
	Publically Available
Total Investment in Eligible Equipment	$ -
Investment Credits	0
Total Investment Credits for Model Year	

back to Annual Report Data shee

☒ All infrastructure listed on this page was purchased and installed by the reporting fle

☒ I certify that all information I have entered into this sheet is accurate to the best of m

Infrastructure Equipment	Eligible for Credit?	Description
1	Err:502	
2	Err:502	
3	Err:502	
4	Err:502	
5	Err:502	
6	Err:502	
7	Err:502	
8	Err:502	
9	Err:502	
10	Err:502	
11	Err:502	
12	Err:502	

ɔelow to receive credit. Dates outside the allowable time period will be highlighted

Private

$	**-**
	0
	0
$	**-**

et

ıy knowledge

Location (address)	Publicly Available?	In-Service Date	Alternative Fuel Type	Investment Amount ($)
		more info		

Total Investment in Eligible Equipment
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502
Err:502

Non-Road Equipment Investments

Alternative fuel non-road equipment such as forklifts, tractor investment up to a maximum of 5 credits.

Fill out all green fields to receive credit. Dates outsi

Total Investment in Eligible Equipment	**$ -**
Investment Credits	**0**
	-

back to Annual Report Data shee

☒ All non-road equipment listed on this page was purchased by the reporting fleet

Non-Road Equipment	Eligible for Credit?	Description
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

s, and earth moving equipment. One credit is allocated for each $25,000 in

de the allowable time period will be highlighted

Check the certification box to receive credit for this equipment

Equipment is Operated on Alternative Fuel?	In-Service Date	Alternative Fuel Type	Investment Amount ($)	Total Investment in Eligible Equipment
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -

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Fleet ID Number

Fleet Type

Parent Organization

POC ID Number

Banked Credits

Publicize Fleet

Alternative Fuel Vehicles Acquired Prior to first reporting year

Light Duty Vehicles Acquired

Reporting model year AFV acquisition requirement

Estimated credits to bank or Credits needed

Medium and Heavy Duty Alternative Fuel Vehicles

Back to Light Duty AFVs

LDV_Category_List
AHEV
APHEV
DPHEV
ALDV
EV
AFCEV
CFCEV
HEV
PHEV
NEV

Alternative Fuels

Back to Med/Hvy Duty AFVs

Vehicle Categories (Medium and Heavy Duty Vehicles)
AHEV_H
APHEV_H
DPHEV_H
ALDV_H
EV_H
AFCEV_H
CFCEV_H
HEV_H
PHEV_H

Alternative Fuels

Back to Emerging Technology

Emerging Technology Vehicles

Number of credits available for emerging technology vehicles

Emerging Technology Vehicle Category Codes
E-AHEV
E-APHEV
E-DPHEV
E-EV
E-AFCEV
E-HEV
E-PHEV
E-NEV
E-AHEV_H
E-APHEV_H
E-DPHEV_H
E-EV_H
E-AFCEV_H
E-HEV_H
E-PHEV_H

Investment or Acquisition

back to Refueling Infrastructu

In-Service Date

Engine Configuration Codes

The Fleet ID assigned by the Vehicle Technologies Program when you registered the fleet. The Fleet ID is shown on your previous years' Standard Compliance Report.

P - Alternative Fuel Provider, S - State Agency, B - Biodiesel Fuel Provider

Parent company name, if applicable, for fuel provider fleet or state name for state fleet

The POC ID assigned by the Vehicle Technologies Program when you registered. Log in to your account at http://standardcompliance.cttstest.nrel.gov/vehiclesandfuels/epact/state/progs/poc_login.html to obtain the number or, if you are not yet registered, create an account.

Banked credits from previous years' reports. Credits for light duty AFVs and medium and heavy duty AFVs (after the requirement has been met) acquired in excess of the number required can be banked and applied to meet AFV acquisition requirements in future years. You can apply banked credits (if available) to meet this year's acquisition requirement.

Click "yes" if you have banked credits you are willing to sell and wish to have your contact information published so that fleet managers wishing to buy credits may contact you.

if this is your first year in which you have an annual reporting requirement, you may be able to obtain credit for alternative fuel vehicles you acquired before you were subject to reporting. Contact L-3 Communications to get information about filling out annual reports for previous years.

All non-excluded conventional fuel and alternative fuel vehicles with a Gross Vehicle Weight Rating (GVWR) of 8500 lbs or less acquired during the model year.

The AFV acquisition requirement is calculated based on your input in the "Fleet Type" box. For state fleets, 75% of light duty vehicle acquisitions must be alternatively fueled. For all other fleets, the requirement is 90%.

If you have met the AFV acquisition requirement through the purchase of light duty AFVs, application of banked credits, and/or use of B100, this value is the estimated number or credits, including credits for acquisition of medium and heavy duty AFVs, that will be added to your banked credits for use in future years. If you have not met the AFV acquisition requirement through the purchase of light duty AFVs and use of B100, this value is the estimated number or credits you still need to meet the requirement

Alternative fuel vehicles with a Gross Vehicle Weight Rating > 8500 lbs. Acquisition of medium and heavy duty AFVs does not count toward meeting the AFV acquisition requirement. However, once the requirement has been met through the acquisition of light duty AFVs, use of biodiesel and/or application of banked credits, credits for acquisition of medium and heavy duty AFVs can be banked for use in future years.

Suggested changes per NOPR 133.
Hybrid electric vehicle that can operate on alternative fuel. **Note:** Users would be instructed to select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. The user would be instructed to select the non-electric alternative fuel in the Fuel Types dropdown list.
Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile and exclusively uses conventional fuel for the non-electric portion of the fuel mix.
Non-electric light duty vehicle that can be fueled with alternative fuel. See note above regarding selection of the fuel configuration
Battery electric vehicle
Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. **Note:** Users would be instructed to select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
Fuel cell electric vehicle operating exclusively on conventional fuel. This vehicle would have an onboard reformer operating exclusively on conventional fuel (gasoline or diesel) and would not have the capability of using hydrogen from an external source.
Hybrid electric vehicle operated on gasoline or diesel.
Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)
Neighborhood electric vehicle. Low speed electric vehicle that does not qualify as a light duty vehicle.

E85 - Mixtures containing 85% by volume of denatured ethanol with gasoline

M85 - Mixtures containing 85% by volume of methanol or other alcohols with gasoline

CNG - Compressed Natural Gas
LPG - Liquified Petroleum Gas (Propane)
Elec - Electricity
LNG - Liquified Natural Gas and other fuels domestically produced from natural gas
Other Bio-derived Fuels - Fuels (other than alcohol) derived from biological materials (including neat biodiesel (B100))
Hydr - Hydrogen
Pser - P-Series blends
PetLiq - Coal derived liquid fuels

Suggested changes per NOPR 133.

Hybrid electric vehicle that can operate on alternative fuel. Note: Users would be instructed to select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).

Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. The user would be instructed to select the non-electric alternative fuel in the Fuel Types dropdown list.

Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile (10.2 mile effective electric-only range) and exclusively uses conventional fuel for the non-electric portion of the fuel mix.

Non-electric medium or heavy duty vehicle that can be fueled with alternative fuel. See note above regarding selection of the fuel configuration

Battery electric vehicle

Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. Note: Users would be instructed to select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).

Fuel cell electric vehicle operating exclusively on conventional fuel. This vehicle would have an onboard reformer operating exclusively on conventional fuel (gasoline or diesel) and would not have the capability of using hydrogen from an external source.

Hybrid electric vehicle operated on gasoline or diesel.

Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)

E85 - Mixtures containing 85% by volume of denatured ethanol with gasoline

M85 - Mixtures containing 85% by volume of methanol or other alcohols with gasoline

CNG - Compressed Natural Gas
LPG - Liquified Petroleum Gas (Propane)
Elec - Electricity
LNG - Liquified Natural Gas and other fuels domestically produced from natural gas
Other Bio-derived Fuels - Fuels (other than alcohol) derived from biological materials (including neat biodiesel (B100))
Hydr - Hydrogen
Pser - P-Series blends
PetLiq - Coal derived liquid fuels

Must be one of the electric drive vehicle types listed below. May receive 1 credit for acquisition if they also qualify as an AFV, or the appropriate fractional credit if they do not qualify as an AFV

Credits for emerging technology vehicles may be based on vehicle acquisition or on investment, but not both. Investments in pre-production versions of the five vehicle types earn 1 credit per $25,000 invested up to a maximum of 5 credits. There is no limit on the number of credits that may be obtained by basing the number of credits on acquisition rather than investment. Under this approach, as an example, a covered fleet spending $500,000 on the acquisition of 10 pre-production
PHEVs (i.e., $50,000 per PHEV) could obtain a total of 12 credits; 5 credits for the expenditure of at least $125,000 to acquire three of the vehicles and 7 credits for the acquisition of the other seven PHEVs. In the above example, if the subject vehicles instead were pre- production non-AFV PHEVs, then the fleet would receive the same 5 credits for the investment of the $125,000, plus another 3.5 credits (7 × 1⁄2 credit, subject to rounding rules when totaled) for the remaining seven vehicles.

Suggested changes per NOPR 133.
Hybrid electric vehicle that can operate on alternative fuel. Note: Select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. Select the non-electric alternative fuel in the Fuel Types dropdown list.
Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile and exclusively uses conventional fuel for the non-electric portion of the fuel mix.
Battery electric vehicle
Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. Note: Select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
Hybrid electric vehicle operated on gasoline or diesel.
Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 electric-only range)
Neighborhood electric vehicle. Low speed electric vehicle that does not qualify as a light duty vehicle.
Medium or heavy duty hybrid electric vehicle that can operate on alternative fuel.
Medium or heavy duty Plug-in hybrid electric vehicle that can operate on alternative fuel.
Medium or heavy duty plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile.
Medium or heavy duty battery electric vehicle
Medium or heavy duty fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel
Medium or heavy duty hybrid electric vehicle operated on gasoline or diesel.
Medium or heavy duty plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 electric-only range)

Select "Acquisition" to base credit on the vehicle type (see column C for the value). Select "I on investment can be pooled to reach the $25,000 per credit value.

ıre

The infrastructure must begin operation during the model year for which credit is sought, and each fleet is limited to one award of credits per site, per model year. For example, if a covered fleet’s infrastructure investment spans more than one year, with the fleet having invested $12,500 in a new AFV fueling station during one model year and then an additional $12,500 in that station during the following model year, and with the new station becoming operational during that second year, the fleet would be entitled to 1 investment credit in the second model year.

Ded - Dedicated fuel
Dual - Dual Fuel/Bi-Fuel (can switch between fuels, eg, CNG/Gasoline) or Flex Fuel (operates on mix of fuels, eg, alcohols/gasoline)

Fuel Type List	Fuel Configuration	Credits
Alternative fuel list	Dedicated, Dual	
Alternative fuel list excluding electricity	Dedicated, Dual	
Electricity	Dual	
Alternative fuel list excluding electricity	Dedicated, Dual	
Electricity	Dedicated	
Alternative fuel list	Dedicated, Dual	
Conventional_fuels	N/A	
Conventional_fuels	N/A	
Conventional_fuels	N/A	
Electricity	Dedicated	

Fuel Type List	Fuel Configuration	Credits
Alternative fuel list	Dedicated, Dual	
Alternative fuel list excluding electricity	Dedicated, Dual	
Electricity	Dual	
Alternative fuel list excluding electricity	Dedicated, Dual	
Electricity	Dedicated	
Alternative fuel list	Dedicated, Dual	
Conventional_fuels	N/A	
Conventional_fuels	N/A	
Conventional_fuels	N/A	

Fuel Type List	Fuel Configuration	Credits
Alternative Fuel List	Dedicated or dual	
Alternative Fuel List	Dedicated or dual	
Electricity	dual	
Electricity	Dedicated	
Alternative Fuel List	Dedicated or dual	
Conventional_fuels	N/A	
Conventional_fuels	N/A	
Electricity	Dedicated	
Alternative Fuel List	Dedicated or dual	
Alternative Fuel List	Dedicated or dual	
Electricity	dual	
Electricity	Dedicated	
Alternative Fuel List	Dedicated or dual	
Conventional_fuels	N/A	
Conventional_fuels	N/A	

nvestment" to base credit on investment. Credits based

added

LDV_Category_Codes	
LDV_Category_List	**Suggested changes per NOPR 133.**
AHEV	Hybrid electric vehicle that can operate on alternative fuel. **Note:** Users would be instructed to select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
APHEV	Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. The user would be instructed to select the non-electric alternative fuel in the Fuel Types dropdown list.
DPHEV	Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile (10.2 mile effective electric-only range) and exclusively uses conventional fuel for the non-electric portion of the fuel mix.
ALDV	Non-electric light duty vehicle that can be fueled with alternative fuel. See note above regarding selection of the fuel configuration
EV	Battery electric vehicle
AFCEV	Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. **Note:** Users would be instructed to select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
CFCEV	Fuel cell electric vehicle operating exclusively on conventional fuel. This vehicle would have an onboard reformer operating exclusively on conventional fuel (gasoline or diesel) and would not have the capability of using hydrogen from an external source.
HEV	Hybrid electric vehicle operated on gasoline or diesel.

PHEV	Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)
NEV	Neighborhood electric vehicle. Low speed electric vehicle that does not qualify as a light duty vehicle.

MHV_Category_Codes	
MHV_Category_List	**Suggested changes per NOPR 133.**
AHEV_H	Hybrid electric vehicle that can operate on alternative fuel. **Note:** Users would be instructed to select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
APHEV_H	Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. The user would be instructed to select the non-electric alternative fuel in the Fuel Types dropdown list.
DPHEV_H	Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile (10.2 mile effective electric-only range) and exclusively uses conventional fuel for the non-electric portion of the fuel mix.
ALDV_H	Non-electric medium or heavy duty vehicle that can be fueled with alternative fuel. See note above regarding selection of the fuel configuration
EV_H	Battery electric vehicle

AFCEV_H	Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. **Note:** Users would be instructed to select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
CFCEV_H	Fuel cell electric vehicle operating exclusively on conventional fuel. This vehicle would have an onboard reformer operating exclusively on conventional fuel (gasoline or diesel) and would not have the capability of using hydrogen from an external source.
HEV_H	Hybrid electric vehicle operated on gasoline or diesel.
PHEV_H	Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)

ETV_Category_Codes	5 vehicle types listed by DOE
FCEV	Fuel cell electric vehicle
HEV	Hybrid electric vehicle
HVEV	Medium or heavy duty electric vehicle
NEV	Neighborhood electric vehicle
PHEV	Plug-in electric drive vehicle

LD_ETV_Category_List	**Suggested changes per NOPR 133.**
E-AHEV	Hybrid electric vehicle that can operate on alternative fuel. **Note:** Users would be instructed to select the fuel configuration "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
E-APHEV	Plug-in hybrid electric vehicle that can operate on alternative fuel for the non-electric portion of the fuel. See note above regarding selection of the Fuel Configuration. The user would be instructed to select the non-electric alternative fuel in the Fuel Types dropdown list.

E-DPHEV	Plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile (10.2 mile effective electric-only range) and exclusively uses conventional fuel for the non-electric portion of the fuel mix.
E-EV	Battery electric vehicle
E-AFCEV	Fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel. Note: Users would be instructed to select "dedicated" if the vehicle operates exclusively on the alternative fuel, and "dual" if the vehicle can also use conventional fuel (either switching between fuels or operating on a mixture of alternative and conventional fuels).
E-HEV	Hybrid electric vehicle operated on gasoline or diesel.
E-PHEV	Plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)
E-NEV	Neighborhood electric vehicle. Low speed electric vehicle that does not qualify as a light duty vehicle.
E-AHEV_H	Medium or heavy duty hybrid electric vehicle that can operate on alternative fuel.
E-APHEV_H	Medium or heavy duty Plug-in hybrid electric vehicle that can operate on alternative fuel.
E-DPHEV_H	Medium or heavy duty plug-in hybrid electric vehicle that meets the NHTSA criteria for dual fueled electric automobile.
E-EV_H	Medium or heavy duty battery electric vehicle
E-AFCEV_H	Medium or heavy duty fuel cell electric vehicle operating on an alternative fuel. Note that on-board reforming of natural gas would qualify as NG is an alternative fuel
E-HEV_H	Medium or heavy duty hybrid electric vehicle operated on gasoline or diesel.
E-PHEV_H	Medium or heavy duty plug-in hybrid electric vehicle that does not meet the NHTSA criteria for dual fueled electric automobile (Less than 10.2 effective electric-only range)

Fuel Type List	Fuel Configuration	Credits
Fuel_Types	Fuel_Configuration	
SE_Fuel_Types	Fuel_Configuration	
Electricity	Dual	
SE_Fuel_Types	Fuel_Configuration	
Electricity	Dedicated	
Fuel_Types	Fuel_Configuration	
Conventional_fuels	Conv_Configuration	
Conventional_fuels	Conv_Configuration	

Conventional_fuels	Conv_Configuration
Electricity	Dedicated

Fuel Type List	**Fuel Configuration**	**Credits (obtained after satisfying requirements)**
Fuel_Types	Fuel_Configuration	
SE_Fuel_Types	Fuel_Configuration	
Electricity	Dual	
SE_Fuel_Types	Fuel_Configuration	
Electricity	Dedicated	

Fuel_Types	Fuel_Configuration
Conventional_fuels	Conv_Configuration
Conventional_fuels	Conv_Configuration
Conventional_fuels	Conv_Configuration

Fuel Type List	Fuel Configuration	Credits
Fuel_Types	Fuel_Configuration	
Fuel_Types	Fuel_Configuration	

Electricity	Dual
Electricity	Dedicated
Fuel_Types	Fuel_Configuration
Conventional_fuels	Conv_Configuration
Conventional_fuels	Conv_Configuration
Electricity	Dedicated
Fuel_Types	Fuel_Configuration
Fuel_Types	Fuel_Configuration
Electricity	Dual
Electricity	Dedicated
Fuel_Types	Fuel_Configuration
Conventional_fuels	Conv_Configuration
Conventional_fuels	Conv_Configuration

Fuel Type Lists

Fuel_Types	All alternative fuels
E85	Mixtures containing 85% by volume of methanol, denatured ethanol, and other alcohols with gasoline
M85	Mixtures containing 85% or more by volume of methanol or other alcohols with gasoline or other fuel.
CNG	Compressed Natural Gas
LPG	Liquified Petroleum Gas (Propane)
LNG	Liquified Natural Gas and other fuels domestically produced from natural gas
Elec	Electricity
Hydr	Hydrogen
Other Bio-derived Fuels	Fuels (other than alcohol) derived from biological materials (including neat biodiesel (B100))

Pser	Three P-series fuels (specifically known as Pure Regular, Pure Premium and Pure Cold Weather) as described by United States Patent number 5,697,987, dated December 16, 1997, and containing at least 60 percent non-petroleum energy content derived from methyltetrahydrofuran, which must be manufactured solely from biological materials, and ethanol, which must be manufactured solely from biological materials
PetLiq	Coal-derived liquid fuels

Conventional_fuels

Gasoline

Diesel

Electricity

Elec

Conv_Configuration

N/A

SE_Fuel_Types	Alternative fuels other than electricity
E85	Mixtures containing 85% by volume of methanol, denatured ethanol, and other alcohols with gasoline
CNG	Compressed Natural Gas
LPG	Liquified Petroleum Gas (Propane)
LNG	Liquified Natural Gas
Hydr	Hydrogen
B100	Biodiesel 100% or other non-alcohol derived from biological materials
Pser	P-Series blends
M100	100% methanol
Ethanol	Denatured ethanol or other alcohols

PetLiq	Coal derived liquid fuels

Fuel_Configuration

Ded	Dedicated Fuel
Dual	Dual Fuel/Bi-Fuel (can switch between fuels, eg, CNG/Gasoline)

Dedicated

Ded	Dedicated Fuel

dual

Dual	Dual Fuel/Bi-Fuel (can switch between fuels, eg, CNG/Gasoline) or Flex Fuel (operates on mix of fuels, eg, alcohols/gasoline)

Conversion_Mode

OEM	Original Equipment Manufacturer
Pcon	Previously Converted by Another Owner
Scon	Self Converted by Present Owner

Fleet_Types

P	Alternative Fuel Provider
S	State Agency
B	Biodiesel Fuel Provider

Transfer_Types

This credit transfer has been approved
A Proof of Credit Transfer form has been submitted for this transfer
I intend to complete a credit transfer with another fleet

LightDuty_Indicator
Y
N

States	Make
AL	
AK	Acura
AZ	Aston Martin
AR	Audi
CA	Azure Dynamics
CO	Bentley
CT	BMW
DE	Bugatti

	DC	Buick
	FL	Cadillac
	GA	Chevrolet
	HI	Chrysler
	ID	CODA Automotive
Gross Vehicle Weight < or = to 8500 lbs.	IL	Dodge
Gross Vehicle Weight > 8500 lbs.	IN	Ferrari
	IA	Fiat
	KS	Ford
	KY	GMC

LA	Honda
ME	Hyundai
MT	Infiniti
NE	Jaguar
NV	Jeep
NH	Kia
NJ	Lamborghini
NM	Land Rover
NY	Lexus
NC	Lincoln
ND	Lotus Maserati
OH	Maybach
OK	Mazda
OR	McLaren Automotive
MD	Mercedes-Benz

MA	MINI
MI	Mitsubishi
MN	Nissan
MS	Porsche
MO	Ram
PA	Rolls-Royce
RI	Roush Performance
SC	Saab
SD	Scion
TN	smart
TX	Subaru
UT	Suzuki
VT	Toyota
VA	Volkswagen
WA	Volvo
WV	VPG
WI	
WY	