

Purchase Credit Program - Background

What are Purchase Credits?

Purchase Credits are generated for purchasing Clean Fueled Vehicles (CFVs) beyond program requirements.

Definition of "Purchase"



Buy, lease, re-locate to the covered area or otherwise acquire possession or control of a motor vehicle or non-covered vehicle, excluding:

- A vehicle manufactured before the start of the Clean Fueled Fleets Program (CFFP).
- A vehicle transferred due to the purchase of a company or due to a consolidation of business operations.
- A vehicle transferred as part of an employee transfer.
- A vehicle transferred for seasonal requirements of a period of less than 120 days.

How are Purchase Credits Generated?

Fleet operators can generate purchase credits by doing any of the following:

- Purchasing a CFV early, between January 1, 1993 and August 31, 1998.
- Purchasing CFVs in excess of the number of vehicles required.
- Purchasing CFVs that are cleaner than the base emissions standard of Low Emission Vehicle (LEV) (*Ultra Low Emission (ULEV) and Zero Emission Vehicle (ZEV) ratings are cleaner than LEV vehicles*).
- Purchasing exempt on-road motor vehicles that meet CFV emissions requirements (*replacing police cars with CFV police cars*). *Certain non-road vehicles will not generate purchase credits. Contact the Georgia Environmental Protection Division (EPD) if you are uncertain.*
- Purchasing CFVs when a fleet is not covered by the CFFP.

How can Purchase Credits be used?

Traded In: Purchase credits may be traded in to meet a purchase requirement. This would be an alternative to purchasing a new CFV or converting an existing vehicle. However, one purchase credit does not necessarily equal one vehicle.

Sold: Purchase credits may be sold or traded to entities who are unable to meet or decide not to buy vehicles in order to satisfy the purchase requirements.

Banked: Purchase credits may be saved for use in later years.

Purchase Credit Program - Background

Purchase Credit Values

- Credit values are calculated and tracked to two decimal places.
- Purchase credits are designated as:
 - *Light Duty* Clean Fueled Fleet Vehicle Credit
 - *Heavy Duty* Clean Fueled Fleet Vehicle Credit

Subclass designation for Heavy Duty Credits:

Light Heavy Duty
Medium Heavy Duty

Rules Concerning Purchase Credits

1. A fleet operator who purchases Clean Fueled Vehicles (CFVs) only to generate purchase credits must comply with the registration and reporting requirements of the Clean Fueled Fleets Program (CFFP) in order to receive credits for those purchases.
2. Purchase credits will be generated *only* by those vehicles allowed to generate credits in the fleet program as determined in the rules, and all fleets covered by the CFFP are permitted to participate in the purchase credit program.
3. Purchase credits may only be traded in the *CFFP covered area*.
4. Clean Fueled *vehicles* which are purchased to generate purchase credits may *not* be sold in the same model year that the purchase credit was generated.
5. Vehicles operated outside of the covered area will not generate credit.
6. Vehicles that are purchased to meet requirements or to generate credits must be run on the clean fuel while operating in the covered area. If the vehicle is not operated on the clean fuel, the fleet will be subject to penalties.
7. Flexible Fuel and Dual Fuel vehicles must be run on the clean fuel in order to generate purchase credits. The Annual Report will indicate the fuel use, and non-compliance will result in penalties.

Fleet operators (covered and non-covered) will receive purchase credit amounts, according to these rules:

Early / Excess Purchase Credits

Covered Fleet Operators

- Who purchased vehicles between January 1, 1993 and August 31, 1998.
- Who purchase vehicles in excess of their purchase requirements.

Non-Covered Fleet Operators

- Who purchased vehicles between January 1, 1993 and August 31, 1998.
- Who purchase vehicles after August 31, 1998, but before becoming a covered fleet operator.

Cleaner Purchase Credits

Covered Fleet Operators (only)

- Who purchase vehicles to meet their purchase requirements, and the vehicles are certified to Ultra Low Emission Vehicle (ULEV) or Zero Emission Vehicle (ZEV) standards.

Purchase Credit Program

Light Duty Vehicle Weight Classes

LDV 1	LDV / LDT ≤ 6,000 lbs. GVWR ≤ 3,750 lbs. LVW
LDT 2	LDT ≤ 6,000 lbs. GVWR > 3,750 lbs. LVW ≤ 5,750 lbs. LVW
LDT 3	LDT > 6,000 lbs. GVWR ≤ 3,750 lbs. TW
LDT 4	LDT > 6,000 lbs. GVWR > 3,750 lbs. TW ≤ 5,750 lbs. TW
LDT 5	LDT > 6,000 lbs. GVWR > 5,750 lbs. TW

Heavy Duty Vehicle Weight Classes

Light HDV	8,501 - 19,500 lbs. GVWR
Medium HDV	19,501 - 26,000 lbs. GVWR
Heavy HDV	over 26,000 lbs. GVWR

Emissions Classifications

LEV	Low Emission Vehicle
ULEV	Ultra Low Emission Vehicle
ILEV	Inherently Low Emission Vehicle
ZEV	Zero Emission Vehicle

Fuel Type

Gasoline
Natural Gas
Propane
Electric
Ethanol
Methanol
Diesel
Other (write in fuel)

Fuel System

Dedicated
Dual Fuel (bi-fuel)
Flexible Fuel

Vehicle Type

Car
Truck
Sport Utility Vehicle (SUV)
Passenger / Cargo Van
Step Van
Bus / Shuttle

Vehicle Weight

GVWR	Gross Vehicle Weight Rating
LVW	Loaded Vehicle Weight
TW	Test Weight

Exempt Vehicles

Law	Law Enforcement Emergency Vehicles
Non-Road	Non-Road vehicles
26,000+	Over 26,000 lbs. GVWR
Test	Manufacturer Testing
Lease	Leased or Rented to public
Home	Garaged at Home <i>Not centrally fueled</i>
Pre-1999	Vehicles manufactured before the 1999 MY.
Less 50%	Vehicles driven less than 50% annual miles in covered area

Pollutants

NMOG	Non-Methane Organic Gases
CO	Carbon Monoxide
NO_x	Nitrogen Oxides
PM	Particulate Matter
HCHO	Formaldehyde

Purchase Credit Program

Trading In or Selling Purchase Credits

- All purchase credits may be freely traded in, sold or banked for later use.
- The Georgia Environmental Protection Division (EPD) will establish a database to store the number of credits owned by fleet operators.
- If a fleet operator wishes to trade or sell purchase credits, the EPD must be contacted and informed of the number of credits that will be traded. (All forms and contact information can be found on *page 4-11.*)
- Covered fleet operators must inform the EPD (through an annual report) of the total number of purchase credits that will be used instead of purchasing a vehicle to meet purchase requirements.
- Purchase credits may be traded or sold only within the covered areas.
- Purchase credits may not be traded or sold between Clean Fuel Fleets Programs (CFFPs) located in different covered areas. (For example, a fleet covered by the Georgia CFFP may not trade or sell credits with a fleet covered by the Colorado CFFP.)
- Cleaner purchase credits may be used in the same year they are generated, once they have been verified by the EPD. Purchase credits received for “cleaner purchases” will be verified with the submittal of a request form (*page 4-9*). Purchase credits for “excess purchases” will be verified when delivery is documented to the EPD through the annual report.

The matrix below shows how purchase credits may be used in various weight classes.

Table 12

		Transaction class				
		LDV 1	LDT 2-5	Light HDV	Med. HDV	Heavy HDV
Purchase Credit Class	LDV 1	X	X			
	LDT 2-5	X	X			
	Light HDV 8,501 - 19,500 GVWR			X		
	Med. HDV 19,501 - 26,000 GVWR			X	X	
	Heavy HDV over 26,000 GVWR			X	X	X

- Light Duty credits may be used for light duty vehicles only.
- Heavy Duty credits may be used among Heavy Duty subclasses only for purchases of the same weight subclass or less.

For example:

- A Light HDV credit may not be used for a Medium HDV or Heavy HDV vehicle purchase.
- A Heavy HDV purchase credit may be used to purchase a vehicle in any HDV subclass.

Purchase Credit Program

Purchase Credit Generation

Purchase credit amounts in the table below will be generated by **Light Duty Vehicles (LDVs)** that are purchased early or in excess of purchase requirements. Purchase credit amounts increase with cleaner emissions levels. Purchase credits will be generated by Ultra Low Emission Vehicle (ULEV) and Zero Emission Vehicles (ZEV) that are vehicles purchased to meet purchase requirements.

Table 13: Light Duty Vehicles

Purchase Credit Types	Light Duty Vehicle Weight Class				
	LDV 1	LDT 2	LDT 3	LDT 4	LDT 5
Early / Excess					
LEV	1.00	1.39	0.33	0.43	0.52
ULEV	1.09	1.52	1.00	1.39	2.06
ZEV	1.73	2.72	1.73	2.72	3.97
Cleaner					
ULEV	0.09	0.13	0.67	0.96	1.54
ZEV	0.73	1.34	1.40	2.29	3.45

Purchase credit amounts in the table below will be generated by **Heavy Duty Vehicles (HDVs)** that are purchased early or in excess of purchase requirements. Purchase Credit amounts increase with cleaner emissions levels. Purchase credits will be generated by ULEV and ZEV vehicles that are purchased to meet purchase requirements.

Table 14: Heavy Duty Vehicles

Purchase Credit Types	Heavy Duty Vehicle Weight Class		
	Light HDV	Medium HDV	Heavy HDV
Early / Excess			
LEV	1.00	1.00	1.00
ULEV	1.87	1.87	1.87
ZEV	3.53	3.53	3.53
Cleaner			
ULEV	0.87	0.87	N/A*
ZEV	2.53	2.53	N/A*

Purchase Credit Program

Purchase Credit Redemption

Purchase credit amounts in the table below are needed **in place of acquiring a Light Duty Clean Fueled Vehicle (CFV)** to meet purchase requirements. In other words, the values included in the table below represent the purchase credit “cost” for each vehicle.

Table 15: Light Duty Vehicles

	Light Duty Vehicle Weight Class				
	LDV 1	LDT 2	LDT 3	LDT 4	LDT 5
Purchase Credit Amount	1.00	1.39	0.33	0.43	0.52

Purchase credit amounts in the table below are needed **in place of acquiring a Heavy Duty CFV** to meet purchase requirements. In other words, the values included in the table below represent the purchase credit “cost” for each vehicle.

Table 16: Heavy Duty Vehicles

	Heavy Duty Vehicle Weight Class	
	Light HDV	Medium HDV
Purchase Credit Amount	1.00	1.00

Purchase Credit Program

Purchase Credit Comparison

The tables below will help assist you in determining the number of purchase credits you will receive for purchasing certain Clean Fueled Vehicles (CFVs). This is not a complete list of all CFVs available at this time. Credit generation depends on the type of purchase and the weight class of the vehicle, and cannot be determined here for every possible vehicle configuration.

Table 17: Light Duty Clean Fueled Vehicles - LEV or cleaner

Manufacturer	Engine	Fuel	Model	Certification	Credit
Ford	XFMXT00.02Z5	Electric	Ranger Electric 2WD	ZEV / ILEV	2.72
	XFMXT05.46FF	Gasoline	Expedition 2WD & 4WD Lincoln Navigator 2WD & 4WD	LEV	0.52
	XFMXT05.46FG	Gasoline	Lincoln Navigator 2WD & 4WD	LEV	0.52
	XFMXT04.66FF	Gasoline	Expedition 2WD & 4WD	LEV	0.52
	XFMXT05.46FG 30LDT67	Gasoline	Lincoln Navigator 2WD & 4WD	LEV	0.52

Table 18: Light Duty Clean Fueled Vehicles - Targeted LEV or cleaner

Manufacturer	Fuel	Model	Target	Credits
Chrysler	Natural Gas	RAM Van 2500	ULEV	2.06
	Natural Gas	RAM Van Maxi	ULEV	2.06
	Natural Gas	RAM Wagon	ULEV	2.06
Ford	Natural Gas	5.4L F-250 4x2 Regular Cab	ULEV / ILEV	2.06
	Natural Gas	4.6L Crown Victoria	ULEV / ILEV	1.09
	Natural Gas / Gasoline	5.4L E250 Extended Van	LEV on CNG	0.52
	Natural Gas / Gasoline	5.4L F-150 4x2 Regular Cab	LEV on CNG	0.43
	Natural Gas / Gasoline	5.4L F-250 4x2 / 4x4 Reg / Super Cab	LEV on CNG	0.52
	Propane / Gasoline	5.4L F-150 4x2 Regular Cab	LEV on Propane	0.43
	Propane / Gasoline	5.4L F-250 4x2/4x4 Reg. / Super Cab	LEV on Propane	0.52
	Propane / Gasoline	5.4L E250 Extended Van	LEV on Propane	0.52
General Motors	Natural Gas / Gasoline	Chevrolet Cavalier	LEV	1.00
	Electric	EV1	ZEV	1.73
	Electric	Chevrolet S-10	ZEV	2.72
Honda	Natural Gas	Civic GX	ULEV / ILEV	1.09
	Gasoline	Accord	LEV	1.00
	Gasoline	Civic	LEV	1.00

current as of 11/98



The annual report includes a Purchase Credit Log for you to keep track of the number of Purchase Credits you have. You are not required to record purchase credit amounts in the log, only number of vehicles (by weight and credit category). The log, which is contained on disk, will automatically generate the credit amounts for you. *Entering anything other than vehicle numbers will result in miscalculation of purchase.*

Purchase Credit Program

Purchase Credit Comparison

The table below will help assist you in determining the number of purchase credits you will receive for purchasing certain Clean Fueled Vehicles (CFVs). This is not a complete list of all CFVs available at this time. Credit generation depends on the type of purchase and the weight class of the vehicle, and cannot be determined here for every possible vehicle configuration.

Table 19: Heavy Duty Clean Fueled Vehicles / Engines - Targeted LEV

Manufacturer	Engine	Fuel	Model	Target	Credits
Chrysler		Natural Gas	RAM Van 3500	ULEV	1.87
		Natural Gas	RAM Van Maxi	ULEV	1.87
		Natural Gas	RAM Maxi Wagon	ULEV	1.87
Ford	5.4L	Natural Gas	E250 / E350 Van / Wagon	LEV	1.87
	5.4L	Natural Gas / Gasoline	E250 Regular Van	LEV on CNG	1.00
	5.4L	Natural Gas / Gasoline	E350 SD Van / Wagon	LEV on CNG	1.00
	5.4L	Propane / Gasoline	E250 Regular Van	LEV on Propane	1.00
	5.4L	Propane / Gasoline	E350 SD Van / Wagon	LEV on Propane	1.00
General Motors	Vortec 5700 V-8	Natural Gas / Gasoline	Sierra C-K 4x2 Regular Cab	LEV	1.00

current as of 11/98



The annual report includes a Purchase Credit Log for you to keep track of the number of Purchase Credits you have. You are not required to record purchase credit *amounts* in the log, only number of vehicles (by weight and credit category). The log, which is contained on disk, will automatically generate the credit amounts for you. *Entering anything other than vehicle numbers will result in miscalculation of purchase.*

Purchase Credit Request



Georgia Department of Natural Resources

Environmental Protection Division, Air Protection Branch
 4244 International Parkway, Suite 136, Atlanta, Georgia 30354
 404/363-7028

Use this form to receive purchase credits for vehicles that were acquired *cleaner* than Low Emission Vehicle standards. **Fax to (404) 362-2534.** EPD will return a verification by fax.

Company Name: _____

Address: _____

Contact Name: _____

Phone Number: _____

Fax Number: _____

Check this box if this is a non-covered fleet under the CFFP

1. Vehicles must operate in the 13 - county area in order to receive purchase credits.
2. Vehicles must be certified to ULEV or ZEV emissions levels to generate credits with this form.
3. Tables are included on the reverse side of this form with codes for the information below.
4. Include a second sheet if additional space is needed.

Vehicle (VIN)	Make / Model / Year	GVWR	Fuel	Fuel System	Emission Level	Credit Generation
ABC7777777	Ford F-150 - 1998	6050	CNG	Dedicated	ULEV	0.43

For Official Use Only:

EPD Approval: _____ Credits Generated: _____

Purchase Credit Request - tables

Light Duty Vehicle Weight Classes

LDV 1	LDV / LDT ≤ 6,000 lbs. GVWR ≤ 3,750 lbs. LVW
LDT 2	LDT ≤ 6,000 lbs. GVWR > 3,750 lbs. LVW ≤ 5,750 lbs. LVW
LDT 3	LDT > 6,000 lbs. GVWR ≤ 3,750 lbs. TW
LDT 4	LDT > 6,000 lbs. GVWR > 3,750 lbs. TW ≤ 5,750 lbs. TW
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Heavy Duty Vehicle Weight Classes

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Medium HDV	19,501 - 26,000 lbs. GVWR
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Emissions Classifications

LEV	Low Emission Vehicle
ULEV	Ultra Low Emission Vehicle
ILEV	Inherently Low Emission Vehicle
ZEV	Zero Emission Vehicle

Vehicle Weight

GVWR	Gross Vehicle Weight Rating
LVW	Loaded Vehicle Weight
TW	Test Weight

Exempt Vehicles

Law	Law Enforcement Emergency Vehicles
Non-Road	Non-Road vehicles
26,000+	Over 26,000 lbs. GVWR
Test	Manufacturer Testing
Lease	Leased or Rented to public
Home	Garaged at Home <i>Not centrally fueled</i>
Pre-1999	Vehicles manufactured before the 1999 MY.
Less 50%	Vehicles driven less than 50% annual miles in covered area

Pollutants

NMOG	Non-Methane Organic Gases
CO	Carbon Monoxide
NO_x	Nitrogen Oxides
PM	Particulate Matter
HCHO	Formaldehyde

Fuel Type

Gasoline
Natural Gas
Propane
Electric
Ethanol
Methanol
Diesel
Other (write in fuel)

Fuel System

Dedicated
Dual Fuel (bi-fuel)
Flexible Fuel

Vehicle Type

Car
Truck
Sport Utility Vehicle (SUV)
Passenger / Cargo Van
Step Van
Bus / Shuttle

Purchase Credit Trade / Sale Request



Georgia Department of Natural Resources

Environmental Protection Division, Air Protection Branch
4244 International Parkway, Suite 136, Atlanta, Georgia 30354
404/363-7028

Use this form to request a purchase credit transfer between two fleets in the covered area of the CFFP. **For approval, fax to the EPD at (404) 362-2534.** EPD will return a verification by fax to both parties.

Selling Fleet

Company: _____

Address: _____

Contact Name: _____

Phone: _____

Fax: _____

Purchasing Fleet

Company: _____

Address: _____

Contact Name: _____

Phone: _____

Fax: _____

Purchase Credit Amount _____ (# of credits for this transaction)

Include the purchase credit amount under the appropriate weight class.

LDV 1	LDV 2-5	LHDV	MHDV	HHDV
_____	_____	_____	_____	_____

Approval Signatures from fleets:

Selling:

Purchasing:

EPD Approval: _____

Credit Request for Early Purchase



Georgia Department of Natural Resources

Environmental Protection Division, Air Protection Branch
 4244 International Parkway, Suite 136, Atlanta, Georgia 30354
 404/363-7028

If a Clean Fueled Vehicle was purchased between January 1, 1993 and August 31, 1998, use this form to request purchase credits for that vehicle.

Fax this completed form to the EPD at (404) 362-2534. The EPD will return verification of the purchase credit generation.

Company _____

Contact _____

Address _____

Phone _____ Fax _____

Vehicle (VIN)	Make / Model / Year	Fuel	Fuel System	Emission Level	Credit Value
<i>ABC7777777</i>	<i>Ford F-150 - 1998</i>	<i>CNG</i>	<i>Dedicated</i>	<i>ULEV</i>	<i>0.43</i>

EPD Approval:

Credit Request for Early Purchase - Tables

Light Duty Vehicle Weight Classes

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Gasoline
Natural Gas
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Ethanol
Methanol
Diesel
Other (write in fuel)

Fuel System

Dedicated
Dual Fuel (bi-fuel)
Flexible Fuel

Vehicle Type

Car
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Sport Utility Vehicle (SUV)
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Vehicle Weight

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