



IMPLEMENTING GUIDELINES OF THE PHILIPPINE TRANSPORT VEHICLES FUEL ECONOMY LABELING PROGRAM ON FUEL ECONOMY LABEL OF ROAD TRANSPORT VEHICLES

Pursuant to Section 17 of the Republic Act 11285, otherwise known as the "Energy Efficiency and Conservation Act," and Section 9 of the DOE Department Circular No. DC2023-05-0017, or the "Philippine Transport Vehicles Fuel Economy Labeling Program (VFELP) Guidelines", the Implementing Guidelines (IG) on Fuel Economy Label of Road Transport Vehicles (FEL-RTV) are hereby issued for the information and guidance of all those concerned and for compliance by the transport sector and stakeholders.

I. SCOPE

This IG shall cover all road transport vehicles indicated under Section 5 of the VFELP Guidelines. This includes all road transport vehicles powered by an internal combustion engine (ICE) and electric vehicles (EVs) with reference to Section 5 of the Electric Vehicle Industry Development Act – Implementing Rules and Regulations (EVIDA-IRR), with the exemption of such models, whether ICE or EVs, not used on public roads and sold by dealers solely for recreational and competition purposes.

II. DEFINITION OF TERMS

Applicant - refers to any natural or juridical person engaged in manufacturing, importing, distributing, dealing, rebuilding, retailing, and/or selling transport vehicles that are already company-registered and vehicle-registered in compliance with the requirements of the VFELP;

Battery Electric Vehicles (BEVs)- refer to electrically propelled vehicle with only a traction battery as power source for vehicle propulsion;

Combined Fuel Economy Performance Rating - refers to the weighted average of the vehicle fuel economy in urban and extra-urban driving based on the vehicle-specific driving cycle;

Electric Vehicles (EVs)- refer to a vehicle with at least one (1) electric drive for vehicle propulsion;

Extra Urban Cycle - comprises thirteen (13) phases (idling, acceleration, steady speed, deceleration, etc.) of Type I test;

Fuel Economy Label (FEL) - refers to the prescribed removable tag/sticker/marker that bears the DOE logo and essential fuel economy performance information;

Fuel Economy Performance Rating (FEPR) - refers to the distance travelled against the fuel and/or energy consumed by a transport vehicle;

Fuel Economy Sticker (FES) – refers to the prescribed fixed sticker that bears the DOE logo, QR Code with essential vehicle information, and the vehicle FEPR;

Hybrid Electric Vehicles (HEVs)- refer to EVs with both rechargeable energy storage system and a fueled power source for propulsion;

Initial Production Year – refers to the year when the vehicle was registered in the VFELP system for the purposes of this IG and shall be equivalent with the year model mentioned in other-related VFELP issuances;

Light Electric Vehicles (LEVs)- refer to EVs used in micro mobility that provide alternative modes of transportation which includes electric scooters, electric bicycles, electric personal transport, and other similar vehicles weighing less than fifty kilograms (50 kg);

Plug-in Hybrid Electric Vehicles (PHEVs)- refer to HEVs with rechargeable energy storage system that can be charged from an external electric energy source;

Production Year – refers to the actual year in which the vehicle was manufactured;

Road Transport Vehicles (RTVs)- refer to land vehicles conveying cargo or passengers, regardless of size or weight classification, designed to operate on a road;

Test Report - a document generated by a Vehicle Performance Assessment Facility (VPAF) or In-house Testing Facility indicating the determined fuel economy performance and other testing requirements provided that it aligns with established international standards;

Urban Cycle - comprises fifteen (15) phases (idling, acceleration, steady speed, deceleration, etc.) of the Type I test; and

Vehicle Type – represents the generic characteristics of a group of vehicle classifications that shall be specifically defined in its respective IGs.

III. APPLICATION PROCEDURE

The following refers to the general procedure for FEL issuance under the Philippine Transport VFELP, as administered by the DOE. This procedure shall be applicable to manufacturers, importers, distributors, dealers, and rebuilders covered under this VFELP-IG.

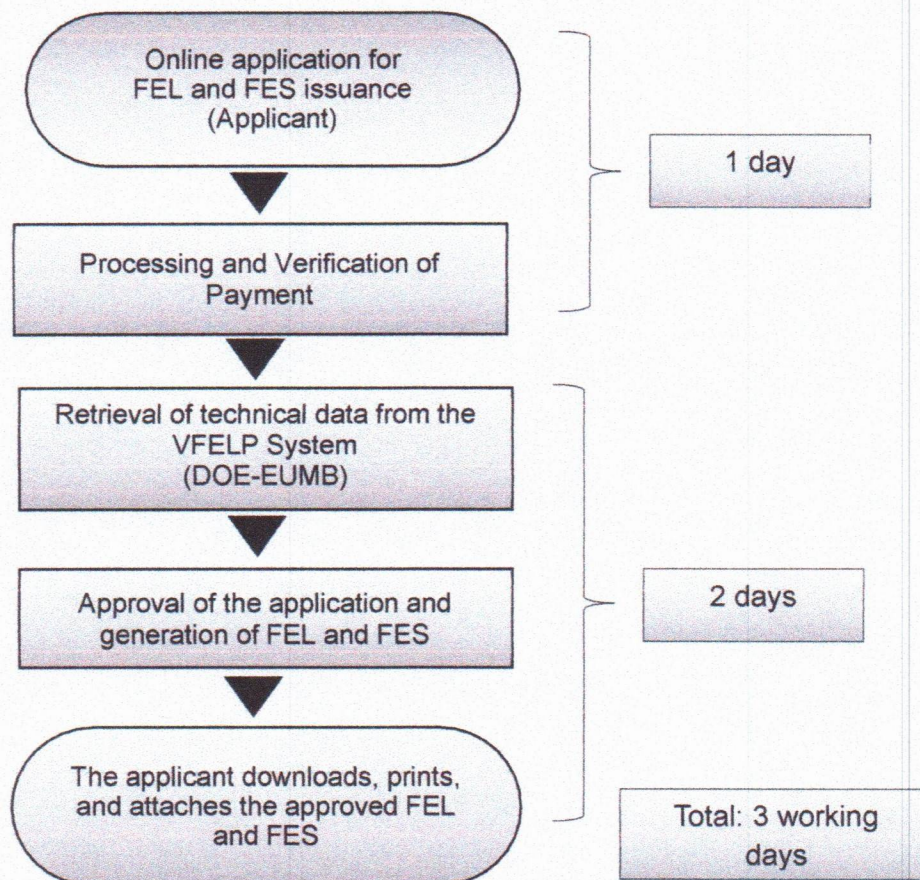
Applicants with duly registered vehicle/s for sale under a registered company are eligible to apply for FEL issuance and may proceed with the application process through the VFELP System:

ACTIVITY	WORKING DAYS	DETAILS
Applicant registration in the VFELP System and processing of payment	1 <i>The process will resume after the payment is made.</i> <i>(refer to note)</i>	<p>The DOE-Energy Utilization Management Bureau (EUMB) shall verify the submitted information and the DOE-Collection Monitoring System (DOE-COMS) will send an Order of Payment (OOP) to the applicant through electronic mail (email).</p> <p>The applicant shall pay the corresponding amount indicated in the OOP. After verification of payment (for bank transfer/online payment) by the DOE-COMS, the applicant shall receive a digital copy of the official receipt (OR).</p> <p>The applicant shall upload the digital copy of the OR through the VFELP System to continue with the processing of the application.</p>

Retrieval of pertinent documents by DOE-EUMB	1	The DOE- EUMB shall retrieve the pertinent documents needed from the VFELP System.
Approval of the application and generation of FEL and FES	1	The DOE-EUMB informs the applicant on the availability of the generated FEL and FES through email and the VFELP System. The applicant downloads, prints, and attaches the respective issued label and sticker on the vehicle.
Total No. of Working Days	3	

Note: The applicant will be given seven (7) calendar days to pay the fees; failure to do so within one day after the due date will result in automatic application cancellation.

Process Flowchart for FEL and FES issuance Application



IV. FEL ISSUANCE MATRIX

The applicants shall comply with the following vehicle batching for FEL and FES issuance as shown below with its corresponding fees:

Vehicle Category	Issuance Coverage	Fees (Php)
L	For every 800 units + 32 units (4%) of registered vehicle per model/type	1,400.00
M and N	For every 200 units + 8 units (4%) of registered vehicle per model/type	

Notes:


1. FEL is valid for six (6) years after issuance.
2. An additional four percent (4%) allowance was added to the total number of issued FEL/FES per batch of registered vehicles per model/type to cover for the equivalent damaged labels.


V. FEL & FES DESIGN AND SPECIFICATION

A. FEL LAYOUT

- A.1** The FEL shall be printed/generated in landscape orientation with dimensions no less than 16 cm (width) x 12 cm (height) and with the following design:

16 cm.

FUEL ECONOMY		M1-ICEV
Combined Fuel Economy Performance Rating: XX.X km/LGe		"A higher Fuel Economy Performance Rating means more savings"
<small>Disclaimer: This value is based on the manufacturer's declaration and are tested in accordance with established international standards. The actual fuel consumption may vary depending on driving behavior as well as other technical and non-technical factors.</small>		
Combined CO ₂ mass emission: XX g CO ₂ /km		
Initial Production Year: Vehicle Make and Model: Vehicle Type: Fuel Type:		
For more information:  Energy Label issued under Section 15 of Republic Act No. 11285. Non-compliance, removal, defacing, or altering of the Energy Label is a violation under Section 30 and will be subject to the fines, penalties and criminal liability under Sections 32 and 33 of Republic Act No. 11285. CN: DOE-VFELP-CRCN-VRCN-MMYYYY-XX		
<small>This vehicle complies with the implementing Rules and Regulations of the Philippine Clean Air Act of 1999 (RA 8749)</small>		


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- A.2** The FEL for Plug-in Hybrid Electric Vehicles (PHEVs) shall also be printed in landscape orientation, with dimensions no less than 16 cm (width) and 12 cm (height). This label should display a dual design showcasing the Fuel Economy Performance for both *Electricity Only* and *Gasoline Only* modes, ensuring clear and distinct information for each energy source as shown below:

FUEL ECONOMY **M1-PHEV**

Combined Fuel Economy Performance Rating:

Electricity Only **XX.X** km/LGe

Gasoline Only **XX.X** km/LGe

Disclaimer:
These values are based on the manufacturer's declaration and are tested in accordance with established international standards. The actual fuel consumption may vary depending on driving behavior as well as other technical and non-technical factors.

Combined CO₂ mass emission: **XX** g CO₂/km

"A higher Fuel Economy Performance Rating means more savings"

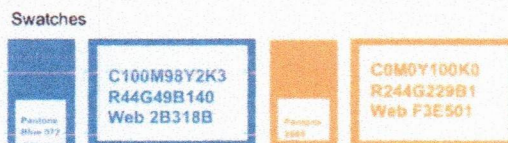
Initial Production Year:
Vehicle Make and Model:
Vehicle Type:
Fuel Type:

For more information:
 Energy Label issued under Section 15 of Republic Act No. 11285. Non-compliance, removal, defacing, or altering of the Energy Label is a violation under Section 30 and will be subject to the fines, penalties and criminal liability under Sections 32 and 33 of Republic Act No. 11285.
CN: DOE-VFELP-CRCN-VRCN-MMYYYY-XX

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This vehicle complies with the Implementing Rules and Regulations of the Philippine Clean Air Act of 1999 (RA 8749)

- A.3** The FEL shall display the color swatches prescribed below:



- A.4** The information in the FEL shall be based on the values and data indicated or submitted in the Vehicle Registration.
- A.5** The Combined FEPR shall be presented based on the fuel consumption in compliance with applicable standards and shall be presented in kilometer per liter gasoline equivalent (km/LGe) rounded to the nearest tenths.
- A.6** The Combined CO₂ mass emission, measured in grams of CO₂ per kilometer (g CO₂/km), must be a whole number for Categories M and N and rounded to the nearest hundredth for Category L.

A.7 Details of FEL Control Number:

CRCN = Company Registration Control Number

VRCN = Vehicle Registration Control Number

XX = Batch Number

A.8 The FEL QR Code is linked to the vehicle technical information page within the VFELP System.

A.9 Vehicles for sale must have the FEL displayed on the body of the vehicle or adjacent to the vehicle and must be visible to the buyers/consumers. This may be removed after the vehicle has been sold.

B. FES LAYOUT

B.1 The FES shall be printed/generated with dimension no less than 5 cm in diameter and with the following design:



B.2 The FES shall display the color swatches prescribed below:

Swatches



B.3 Details of FES Control Number:

CRCN = Company Registration Control Number

VRCN = Vehicle Registration Control Number

XX = Batch Number

XXXX = Unit Number

- B.4** The FES QR Code is linked to the vehicle technical information page within the VFELP System.
- B.5** Applicants are obliged to affix permanently the FES as shown below:



Note: Install the FES in the Motorcycle U-Box. For motorcycle models without U-Box, install the FES in any location as long as it is on the vehicle's body.

VI. TECHNICAL PARAMETER

A. Applicability of Test Report

- A.1** Only valid vehicle test reports or self-declarations from official manufacturers, distributors, and dealers are accepted and shall be required for applying FEL issuance for all registered vehicles.
- A.2** The test report for the Cab and Chassis will be accepted, enabling the registration of the Cab and Chassis, provided that these components are the primary items being sold by the applicant.
- A.3** The submission of an updated test report is only required if changes affecting the contents of the FEL have been applied to the vehicle model or its variant which shall therefore require the applicant to apply for a new vehicle registration and pay the fees for the FEL issuance (due to the re-issuance of a valid label).

B. Unit of Measurement

- B1.** The unit of measurement of fuel economy reflected in the FEL shall be expressed using a common unit as described below:

$\frac{km}{Lge}$	<p>where:</p> <p>km = kilometer</p> <p>Lge = liter of gasoline equivalent</p>
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Fuel economy value for diesel-fed, electric vehicles, and other alternative fuel vehicles shall be converted and expressed using the common unit. The purpose of the common unit is to help and empower consumers in buying and selecting fuel-efficient vehicles.

- B.2.** The unit of measurement of carbon dioxide (CO₂) emission reflected in the FEL shall be expressed as described below:

$\text{g} \frac{\text{CO}_2}{\text{km}}$	where: g = gram CO ₂ = carbon dioxide
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C. Conversion Factor

The following conversion factor to be integrated in the VFELP System as an automatic conversion factor feature:

Parameters	Unit and Conversion ¹
Liter of gasoline equivalent (Lge) <i>A unit of energy content is equal to the chemical energy in one liter of a standardized gasoline liquid fuel</i>	1 Lge = 8.89 kilowatt-hour (kWh) 1 Liter of diesel fuel = 1.077 Lge

Note:

¹ Based on the International Energy Agency (IEA) – Glossary of Energy Units Report, December 2016

- Fuel Economy in kilometer per kilowatt-hour (km/kWh) to km/Lge:

$$1 \text{ km/kWh} = 8.89 \text{ km/Lge}$$

- Fuel Economy in kilometer per liter of diesel (km/L_{diesel}) to km/Lge:

$$1 \text{ km/L}_{\text{diesel}} = 0.93 \text{ km/Lge}$$

Any updates or changes on the conversion factor shall be evaluated and approved by the VFELP Technical Working Group (TWG). Any changes to the conversion factor shall undergo public consultation and take effect after fifteen (15) days from publication in at least two (2) newspapers of general circulation or the Official Gazette.

VII. REPEALING CLAUSE

The provisions of other circulars, orders, issuances, rules, and regulations, which are inconsistent with the provisions of this IG are hereby repealed, amended, modified, or superseded accordingly.

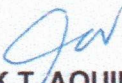
VIII. SEPARABILITY CLAUSE

If for any reason, any section or provision of this IG is declared unconstitutional or invalid, such parts not affected shall remain in full force and effect.

IX. EFFECTIVITY

This IG shall take effect fifteen (15) days after its publication in at least two (2) newspapers of general circulation or the Official Gazette. Copy of this IG shall be filed with the University of the Philippines Law Center – Office of the National Administrative Register.

Issued at Energy Center, Bonifacio Global City, Taguig City.


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**Annex A:
Road Motor Vehicle Classification***

Classification /Category	Description	Other description ¹²	
L	Road motor vehicles with less than four wheels and including 4 wheeled vehicles with restrictions on maximum speed, maximum mass and maximum rated power		
L1	a two-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, electric (LEV)	light vehicle
L2	a three-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, LEV	
L3	a two-wheeled vehicle with a maximum design speed exceeding 50 km/h	motorcycle without sidecar, LEV	
L4	a vehicle with three wheels asymmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h (motorcycle with sidecar)	motorcycle with sidecar, LEV	
L5	a vehicle with three wheels symmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h	three-wheeled vehicle	
L6	a vehicle with four wheels whose unladen mass is not more than 350 kg, not including the mass of the batteries in case of electric vehicles, whose maximum design speed is not more than 45 km/h		
L7	a vehicle with four wheels, other than that classified for the category L6, whose unladen mass is not more than 400 kg (550 kg for vehicle intended for carrying goods), not including the mass of batteries in the case of electric vehicles, whose maximum design speed is not more than 45 km/h		

M	Road motor vehicles having at least four wheels and used for the carriage of passengers		
M1	vehicles used for the carriage of passengers and comprising not more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	passenger car, utility vehicle (UV), sports utility vehicle (SUV), low speed vehicle (LSV), high speed vehicle (HSV), taxi, filcab, tourist car, tourist metered taxi, school transport	
M2	vehicles used for the carriage of passengers, comprising more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	LSV, HSV, UV, filcab, public utility jeepney (PUJ), minibus, tourist transport service, GT Express service, shuttle service, school transport service	

¹ Department of Transportation (DOTr) Department Order 2010-32

² DOTr Guidelines and Procedures Governing the Issuance of Student-Driver's Permit, Conductor's License and Driver's License

M3	vehicles used for the carriage of passengers, comprising more than 8 seat in addition to the driver's seat and having a maximum gross vehicle weight exceeding 5000 kg	bus, LSV, HSV, UV, PUJ, minibus, public utility bus (PUB) shuttle service, tourist bus, school transport service
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N	Road motor vehicles having at least four wheels and used for the carriage of goods	
N1	vehicles used for the carriage of goods and having a maximum gross vehicle weight not exceeding 3500 kg	UV, truck for hire
N2	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 3500 kg but not exceeding 12000 kg	UV, trucks, truck for hire
N3	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 12000 kg	trucks, truck for hire

O	Trailers and semi-trailers	
O1	trailers and semi-trailers with a maximum gross vehicle weight not exceeding 750 kg	trailers
O2	trailers and semi-trailers with a maximum gross vehicle weight exceeding 750 kg but not exceeding 3500 kg	trailers
O3	trailers with a maximum gross vehicle weight exceeding 3500 kg but not exceeding 10000 kg	trailers
O4	trailers with a maximum gross vehicle weight exceeding 10000 kg	trailers

**This annex will be updated accordingly based on the DOTr issuances*

¹ Department of Transportation (DOTr) Department Order 2010-32

² DOTr Guidelines and Procedures Governing the Issuance of Student-Driver's Permit, Conductor's License and Driver's License