

	Ministry of Energy, Mines and Low Carbon Innovation <i>Issued: May 2024</i>	<i>Low Carbon Fuels Act</i> Prescribed Purposes other than Transportation Information Bulletin RLCF-022
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Background

The *Low Carbon Fuels Act* (Act), Low Carbon Fuels (General) Regulation and Low Carbon Fuels (Technical) Regulation are together known as the Low Carbon Fuel Standard (LCFS). The low carbon fuel requirements of the Act apply to base fuels (fossil-derived diesel fuel, gasoline and jet fuel) and their alternatives when they are supplied for transportation. Beginning in the 2024 compliance period, the LCFS will also apply to these fuels used for prescribed non-transportation purposes. This bulletin identifies an alternative to a base fuel for the prescribed non-transportation purposes.

Non-transportation purposes prescribed under the LCFS

- a. Use in cargo handling equipment: equipment used to move cargo within a port or other marine terminal.
- b. Use in ground support equipment: equipment used to service aircraft between flights.
- c. Use in forklifts.

Reporting fuels supplied for prescribed non-transportation purposes

The LCFS applies to all base fuels supplied for a prescribed non-transportation purpose.

For non-base fuels supplied for a purpose other than transportation, the LCFS only applies if the fuel is an alternative to a base fuel. Section 5(1)(b) of the Act provides that a fuel is an alternative to a base fuel for a purpose other than transportation if the base fuel is the most likely to be used for that purpose if the only available fuels options were base fuels and electricity.

The table below lists the types of equipment within each prescribed non-transportation purpose for which a non-base fuel should be reported under the LCFS and the corresponding energy effectiveness ratio (EER) set out in Schedule 2 of the Low Carbon Fuels (Technical) Regulation. Organizations must not report a non-base fuel for any equipment not listed for each category.

Table 1: List of equipment types for prescribed non-transportation purposes

Applicable Purpose	Equipment	Fuel Category	Energy Effectiveness Ratio (EER)
Use in cargo handling equipment (CHE)	Backhoe	Diesel	Electricity 2.5 Other fuels 0.9
	Bulldozer		
	Excavator		
	Rubber tire/skid steer loader		
	Car pusher		
	Grain pusher		
	Rail mounted gantry crane		
	Rubber tyre gantry crane		
	Reach stacker		
	Top stacker		
	Top handler		
	Side handler		
	Straddle carrier		



Applicable Purpose	Equipment	Fuel Category	Energy Effectiveness Ratio (EER)
Use in ground support equipment (GSE)	Airport pushback tractor	Diesel	Electricity 2.5 Other fuels 0.9
	Airport tug		
	Baggage tractor		
	Container/deck loader		
	Conveyor belt loader		
	Ground power unit		
	Motorized boarding stairs		
Utility vehicle			
Use in forklifts	Forklifts with lifting capacity over 6 800 kg	Diesel	Electricity 3.9 Other fuels 0.9
	Rough terrain forklift		

Equipment used at marine terminals or airports should be reported with reasonable accuracy. Heavy-duty motor vehicles such as yard trucks should use the appropriate EER—for example, electric yard trucks should with the battery truck EER, which is 3.2. Heavy forklifts must be reported with the appropriate EER stated in Table 1. Any equipment classified differently must not be reported as CHE or GSE.

Need more information?

Please visit the Renewable and Low Carbon Fuels website at <http://gov.bc.ca/lowcarbonfuels> or email us at lcf@gov.bc.ca

This information is for your convenience and guidance only and does not replace or constitute legal advice. It is recommended that parties who may be a fuel supplier review the *Low Carbon Fuels Act*, Low Carbon Fuels (General) Regulation and the Low Carbon Fuels (Technical) Regulation and seek independent legal advice to confirm their status, legal obligations and opportunities. The *Low Carbon Fuels Act*, Low Carbon Fuels (General) Regulation and the Low Carbon Fuels (Technical) Regulation can be found at: <http://www.bclaws.ca>.