



Draft Regulatory Guidance

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Low Carbon Fuel Standard (LCFS) Regulatory Guidance 17-01

Guidance on Reporting Standardized Volume of Liquid Alternative Fuels

SCOPE

To ensure consistent reporting of fuel volumes in the LCFS program based on standard industry practices and to allow reconciliation of reported fuel data among counterparties, it is important to have fuel data reported in the program corrected for standardized conditions.

This document provides guidance on how to determine the standardized volume of a batch of liquid alternative fuels (including ethanol, biodiesel and renewable diesel) for purposes of reporting in the online LCFS Reporting Tool and Credit Bank & Transfer System (LRT-CBTS).

DETERMINING STANDARDIZED VOLUME FOR ETHANOL, BIODIESEL AND RENEWABLE DIESEL

The batch volumes shall be adjusted to a standard temperature of 60 °F as follows¹:

1. For ethanol, the following methodology shall be used:

$$V_{s,e} = V_{a,e} \times (-0.0006301 \times T + 1.0378)$$

Where:

$V_{s,e}$ = Standardized volume of ethanol at 60 °F, in gallons.

$V_{a,e}$ = Actual volume of ethanol, in gallons.

T = Actual temperature of the batch, in °F.

2. For biodiesel (mono-alkyl esters), one of the following two methodology shall be used:

(A) $V_{s,b} = V_{a,b} \times (-0.00045767 \times T + 1.02746025)$

Where

¹ This aligns with the standardization of volume requirements for Renewable Identification Number generation in CFR §80.1426.

$V_{s,b}$ = Standardized volume of biodiesel at 60 °F, in gallons.

$V_{a,b}$ = Actual volume of biodiesel, in gallons.

T = Actual temperature of the batch, in °F.

(B) The standardized volume of biodiesel at 60 °F, in gallons, as calculated from the use of the American Petroleum Institute Refined Products Table 6B, as referenced in ASTM D 1250.²

3. For other liquid alternative fuels:

An appropriate formula commonly accepted by the industry shall be used to standardize the actual volume to 60 °F. Formulas used must be reported to and approved by ARB.

CONTACT INFORMATION

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² ASTM D 1250-08 (“ASTM D 1250”), Standard Guide for Use of the Petroleum Measurement Tables, Approved 2008;