



# Verification and Validation under the California Low Carbon Fuel Standard (LCFS)

## What is it?

The California Low Carbon Fuel Standard (LCFS) is a regulatory program administered by the California Air Resources Board (CARB) in which emission credits and debits are generated based on the carbon intensity of different types of transportation fuels. The goal of the program is to reduce greenhouse gas emissions from the California transport fuel pool by 20% by 2030. The program began in 2010 and recently implemented a validation/verification component, which requires producers to provide proof of compliance with the LCFS and ensures the ongoing integrity of the program and its goals.

## Why You Need It

All producers of biofuels and alternative fuels who wish to sell transport fuel in California must be certified under the LCFS and contract with a third party verification firm to achieve or maintain certification.

Beginning in 2020, fuel pathway applications must be validated by a third party verification firm prior to certification.

Beginning in 2021, fuel pathway carbon intensities and quarterly fuel transaction reports must be verified annually to maintain certification and generate emission credits.

## Why SCS

SCS has been providing high quality verification of biofuel and alternative fuel supply chains for over 5 years and has more than 25 years of experience in agriculture, greenhouse gas and forestry certifications. SCS is an approved verification body under the LCFS and maintains an experienced team of auditors around the world.

In addition to the LCFS, SCS verifies sustainable supply chains under the International Sustainability and Carbon Certification (ISCC) system, the Roundtable on Sustainable Biomaterials (RSB), the Roundtable on Sustainable Palm Oil (RSPO), Bonsucro and the Colombian biofuel program (Resolution 1962).



## SCS Advantage

- Streamlined and responsive service from an experienced certification team
- Over 20 years of fuel consulting and verification experience
- Knowledgeable audit team including experts in life cycle emission modeling, fuel production and process engineering

## Services

- Fuel Pathway Validation
- Annual Verification of Fuel Pathway Reports
- Annual Verification of Quarterly Fuel Transaction Reports
- Quarterly Review of Fuel Transaction Reports

## Validation Process

### 1 Scoping and Project Initiation

- Client submits application and requests a quote for validation
- SCS confirms the project scope and provides the client a no-obligation price quote
- Client signs Work Order and returns to SCS to begin the validation process
- SCS prepares validation plan and sampling plan

### 2 OnSite Audit

- SCS reviews client documentation prior to the on-site assessment
- SCS auditor conducts an onsite assessment of client operations
- SCS drafts validation report and provides client with a report of findings

### 3 Corrective Actions

- Client responds to any necessary corrective actions
- SCS reviews and verifies the corrective actions

### 4 Validation Report and Statement

- SCS completes validation report and validation statement
- Independent reviewer reviews the evidence and findings
- SCS finalizes the validation report and validation statement and submits to CARB

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