

The Renewable Fuels Assurance Scheme (RFAS) is an initiative designed and managed by Zemo Partnership. The Scheme aims to verify claims made by companies supplying renewable fuels to heavy duty vehicle and equipment operators regarding their product's GHG emission savings and provenance of raw material feedstocks.

The RFAS works alongside the Government's [Renewable Transport Fuel Obligation](#) (RTFO), providing a mechanism for guaranteeing that fleet operators are purchasing bulk supplies of sustainable low carbon fuels. The Scheme enables fleet operators to receive renewable fuel supply chain specific GHG emission data, thereby ensuring accurate and representative information for company carbon reporting. Furthermore, credible GHG emission savings figures will help inform decision making processes regarding vehicle fleet decarbonisation options by demonstrating the merits of sustainable low carbon fuels.

Transport sectors covered by the scheme are road vehicle and heavy duty off-highway, notably non-road mobile machinery (NRMM) used on construction sites. Example renewable fuel types that can be approved include biodiesel, hydrotreated vegetable oil, biomethane, renewable hydrogen, various development fuels and blends of renewable fuels. The RFAS encompasses the complete renewable fuel supply chain from feedstock cultivation or waste raw material collection, production and distribution of the final product to the customer.

Companies approved under the Renewable Fuels Assurance Scheme

Company	Reference Number	Renewable Fuels
UK Approved Companies		
CNG Fuels Ltd	CF/P1/21	Compressed Biomethane
Argent Energy Ltd	AE/P2/21	Biodiesel (various blends)
Air Liquide Advanced Technologies Ltd	ABT/P4/21	Compressed and Liquefied Biomethane
Greenergy Fuels Ltd	GF/P7/21	Biodiesel (various blends) and HVO (various blends)
Crown Oil Ltd	CO/P8/21	HVO
Beesley Fuels Ltd	BF/P9/21	HVO
Speedy Fuels & Lubricants Ltd	SF/P10/21	HVO
Nationwide Fuels Ltd	NF/P11/21	HVO
ESL Fuels Ltd	EF/P6/21	Renewable Diesel (various blends)
Phillips 66 Limited	PH/P13/22	Renewable Diesel
JET Retail UK Limited	JET/P14/22	Renewable Diesel
Gasrec Ltd	GR/P15/22	Compressed and Liquefied Biomethane (various blends)
Certas Energy UK Ltd	CE/P16/22	HVO
Air Products Ltd	AP/ P12/22	Liquified Renewable Hydrogen
Valero Energy Ltd	VL/P18/23	Renewable Diesel
WFL UK Ltd (Watson Fuels)	WF/P20/23	Renewable Diesel and HVO
Prema Energy Ltd	PE/P21/23	HVO (various blends)
OnBio Ltd	OB/P24/23	HVO
BWOC Ltd	BW/P28/23	Renewable Diesel
Oil 4 Wales Ltd	OW/P26/23	Renewable Diesel
Highland Fuels Ltd	HF/P17/22	Renewable Diesel and HVO
Syntech Biofuel Ltd	SB/P23/23	Biodiesel
New Era Fuels Ltd	NE/P25/23	HVO
Barton Petroleum Ltd	BP/P30/23	Renewable Diesel and HVO
Wessex Petroleum Ltd T/A WP Group	WP/P27/23	HVO
Airport Energy Services Ltd	AS/P32/23	HVO
645 Services Ltd	SE/P35/24	Renewable Diesel and HVO
Prax Petroleum Ltd	PP/P33/23	HVO
Ford Fuels Ltd	FF/P39/24	HVO
ViGo Bioenergy Ltd	VB/P34/23	Bio-CNG and Bio-LNG
Vitol SA	VT/P47/24	HVO
Sunbelt Rentals Ltd	SR/P38/24	Renewable Diesel and HVO
Oilfast Ltd	OF/P41/24	HVO
AID Fuel Oils Ltd	AF/P40/24	Renewable Diesel and HVO
Portland Fuel Ltd	PF/P42/24	HVO
BP Oil UK Ltd	BPO/P46/24	HVO
Johnston Oils Ltd	JO/P43/24	HVO
Tria Energy UK Ltd	TE/P45/24	Renewable Diesel and HVO
Internationally Approved Companies		
BP Energía España S.A.U.	BPE/P31/23	HVO
Flogas Enterprise Solutions Ltd	FG/P37/24	Compressed Biomethane

* Green Biofuels Ltd RFAS approval suspended on 22 November 2023.

For further information about the RFAS please email rfas@zemo.org.uk or contact Gloria Esposito, Head of Sustainability.

What are the scheme's environmental performance criteria?

Renewable fuel supply chains are required to meeting the following criteria:

Greenhouse gas emission savings thresholds

- More than 65% GHG savings for the renewable fraction of biofuels
- More than 65% GHG savings for renewable fuels of non-biological origin (such as renewable hydrogen)
- More than 10% GHG savings for the total renewable fuel blend based

Greenhouse gas emissions are calculated using a life-cycle methodology and measured against a fossil fuel comparator

Feedstock Sustainability

- Protection of land and biodiversity
- Use of waste as a resource, with a chain of custody to show provenance of the biomass wastes
- Use of renewable energy and resources for producing renewable fuels of non-biological origin such as hydrogen.

Supply Chain Traceability

The renewable fuel supply chain shall be traceable from feedstock origin to customer refuelling depot in terms of greenhouse gas emission and sustainability performance.

How to become an approved Renewable Fuel Supplier?


Companies are required to apply to Zemo Partnership to become approved under the RFAS and recognised as Renewable Fuel Suppliers. This entails completing an application form and participating in an independent audit to demonstrate compliance with the

scheme performance criteria. Once approved Renewable Fuel Suppliers are requested to undergo continuous compliance monitoring including an annual audit. Technical guidance and an application form are available for companies wishing to become approved under the RFAS.


The RFAS has an application and annual participation fee, please [contact Zemo Partnership](#) for 2024 fees.

Renewable Fuel Declarations

Once Renewable Fuel Suppliers are approved by Zemo Partnership, they are requested to issue their customers with Renewable Fuel Declarations for batches of renewable fuels that have been sold. The Declaration identifies the types and volumes of renewable fuel purchased, the GHG emission intensity and savings as well as details of the types of raw material feedstocks and certification under the voluntary sustainability scheme. The declaration includes a colour-coded banding system scaled on GHG emission savings, with the top banding (A+) associated with 'negative' GHG emissions. This will help fleet operators easily recognise the GHG emission performance of their renewable fuel and strive for greater savings.

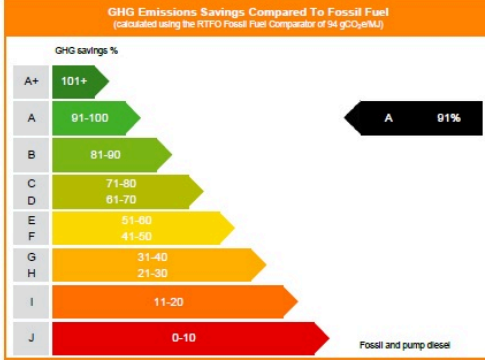


Renewable Fuel Declaration



This declaration can only be issued by a RFAS approved fuel supplier. Reliance on a declaration obtained from a non-approved supplier results in the chain of custody being broken and the information presented becoming invalid. Scan the QR code for a list of approved suppliers.


Fleet Operator & Supplier Information			
Customer name	Zemo Logistics	Customer address	An Industrial Estate, AB12 3DE
Renewable fuel supplier	Fuel Supplies Ltd	Renewable fuel supplier identifier	XYZ123
Category of renewable fuel supplier	Trader	Declaration period	3 months - Apr to Jun 2023
Declaration number	XY01Apr-Jun23	Date declaration issued	3rd July 2023

Renewable Fuel Description		Greenhouse Gas Emissions Performance	
Renewable fuel	HVO	GHG emissions intensity of fuel supply chain	6.12 gCO ₂ e/MJ
Renewable and fossil fuel blend supplied	100% HVO	GHG emissions savings	91%
Volume of fuel supplied	10,000 litres	<div style="background-color: #FFC000; padding: 5px;"> GHG Emissions Savings Compared To Fossil Fuel <small>(calculated using the RTFO Fossil Fuel Comparator of 94 gCO₂e/MJ)</small> </div> 	
Renewable fuel production process	Hydrogenation and isomerization		
Country of renewable fuel production	Netherlands		
Distribution of fuel to customer	Road tanker using HVO		

Feedstock Sustainability	
Renewable fuel feedstocks	Used cooking oil
Country(s) of origin	China, Singapore
Traceability from feedstock origin	Feedstock has been mass balanced
Supply chain voluntary sustainability scheme certification(s)	Yes - ISCC

Further Information	
GHG emissions relate to Scope 3 emissions in corporate GHG emissions reporting (Greenhouse Gas Protocol).	
GHG emissions savings of more than 100% means that the renewable fuel is carbon negative.	
Renewable fuel supplier has corporate GHG emissions reduction plan: Yes	

This declaration is non-transferable: fuel distributors must be approved under the RFAS to issue declarations to their customers.



The GHG emissions savings associated with this renewable fuel have been counted towards the UK transport GHG emissions savings targets under the Renewable Transport Fuel Obligation (RTFO).

Guidance on calculating Well-to-Wheel GHG emissions can be found via the QR code.

RFAS period: 2023-2024

www.zemo.org.uk/RFAS

Version 2.0

The Renewable Fuel Declarations are non-transferable. In the event of an RFAS approved renewable fuel supplier selling renewable fuel to a fuel distributor or trader, the distributor/trader will need to become approved in their own right, if they wish to benefit from the scheme and issue declarations to their customers.



Technical Guidance Document

Date: 16th March 2023
Version 1.0

[RFAS Technical Guidance](#)

[RFAS Technical Guidance Document](#)

[Guidance Document](#)



