



CNG Fuels offers a carbon neutral option for vehicle fleets



Transport fleets, particularly HGV operators, throughout the UK are switching fuels from diesel to compressed natural gas (CNG). Today, Natural gas vehicles (NGVs) offer reduced CO2 emissions, ultra-low particulate and NOx emissions as well as big noise reductions. There are also significant economic benefits for fleet owners switching to NGVs, with savings of between 40% - 50% over diesel.

Biomethane, also known as renewable or green gas, as a vehicle fuel delivers all the benefits of natural gas, but with a clear advantage; it's renewable and sustainable and compared to diesel there is a 72% reduction in CO2 emissions.

BGG supplies the biomethane to CNG Fuels' station at Crewe, which is used by Waitrose.

Anaerobic digestion (AD) plants produce biomethane from food waste, sewage, energy crops or agricultural waste, and inject it into the natural gas grid. When the biomethane is injected into the grid, the process is known as Biomethane to Grid (BtG).

For companies wishing to switch to biomethane, BtG offers significant advantages, because the green gas can be delivered across Great Britain via the gas network. This means filling stations can be located where fleet operators need them.

CNG Fuels is dedicated to building and operating CNG filling stations. CNG Fuels owns the UK's largest public access CNG filling station in Crewe and is building an even bigger filling station at Leyland in Lancashire, which will be open early 2016. CNG Fuels also supplies CNG to an off grid filling station in Scunthorpe which is owned by Brit European. Due to demand, more stations are being planned.

Barrow Green Gas (BGG) holds GB Gas Shipper and Supplier Licences, so can utilise the existing gas network to deliver biomethane. From a commercial point of view, BGG offers flexible contracts, tailored Individual support and transparency. Biomethane is supplied at prices linked to the natural gas 'daily system clearing price' – where prices are driven by real supply and real demand on the day.



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The biomethane is tracked through the system using the Green Gas Certification Scheme (GGCS) facilitated by BGG who can provide proof-of-origin via Green Gas Certificate title transfers. This gives confidence to customers who can be sure they are buying biomethane.

Philip Fjeld from CNG Fuels says: *"There is a growing demand for biomethane because our customers want to take advantage of the big environmental benefits it brings and we depend on Barrow Green Gas to manage the process of shipping green gas to us"*

"Barrow's expertise comes from being the UK's only dedicated green gas shipper. They can ensure the biomethane supplied is traceable, which means they are the ideal partner for us and the working relationship with them is extremely successful."

The GGCS tracks biomethane through the supply chain to provide certainty for those that buy it; each unit of green gas injected into the grid displaces a unit of conventional gas. Each unit is tracked from its injection into the natural gas grid, to its sale to a consumer, ensuring there is no double-counting from production to end use.

Green gas promises to become an ever more popular choice for HGVs throughout the UK, with dedicated CNG vehicles now available and companies looking to go carbon neutral, the UK following a model that has been successful in Sweden.

Philip Fjeld from CNG Fuels says in conclusion:

"We expect Barrow Green Gas will continue to supply biomethane to our rapidly growing network of CNG stations. There is no doubt that gas as a vehicle fuel is growing in popularity, but interest in biomethane is growing even faster as companies see how they can take advantage of the economic and environmental benefits green gas offers."

Barrow Green Gas is the only gas shipping business that exclusively ships biomethane for the producer, supplies biomethane to the gas buyer and manages the green gas certificates to make the gas green.

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