

CNG Fuels gets the 'green light' for UK's first high pressure CNG filling station on M6 in Leyland

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Natural gas is now the cleanest, cheapest fuel for HGVs and station's first major customer will be the John Lewis Partnership

Heavy Goods Vehicles (HGVs) looking to use compressed natural gas (CNG), the cleanest, cheapest fuel for trucks and buses, will be able to fill up close to junction 28 on the M6 in Lancashire as CNG Fuels has secured planning permission for the UK's largest CNG filling station which should be open in late 2015.

The new station will be the first high pressure connected, public-access CNG filling station in the UK, capable of refuelling five hundred plus HGVs per day, or as much as 3,500 kg of CNG per hour. CNG dispensed from local transmission system (LTS) connected stations is the lowest cost fuel available to HGVs, as well as having the lowest Well-To-Wheel emissions of any fossil-based HGV fuel.

The filling station can also supply 100% renewable biomethane (Bio-CNG). It is situated close to junction 28 on the M6 and will be an important part of the UK's rapidly growing CNG refuelling infrastructure. The station's first major customer will be Waitrose, part of John Lewis Partnership.

Philip Fjeld from CNG Fuels (<http://www.cngfuels.com>) says:

"Our customers can save more than 40% of their diesel cost, even after the recent drop in diesel prices, and cut CO2 emissions by more than 20% by using CNG. If fleets choose to fuel their trucks with Bio-CNG, they will be running on 100% renewable gas."

"Because the new station is directly connected to a high pressure gas pipeline we can "fast-fill" hundreds of HGVs a day. We plan to rollout additional public-access LTS CNG stations in the years ahead, meaning more companies can switch to CNG or Bio-CNG. Companies that choose gas will then be paying a lot less for fuel and also making big greenhouse gas savings."

Waitrose, part of the John Lewis Partnership, has a regional distribution centre (RDC) less than one mile from Leyland LTS CNG station and will be the anchor customer for the CNG station.

Justin Laney, general manager, Central Transport, John Lewis Partnership says:

We are proud of the efficiency of our Distribution network, and a key element is running a low carbon fleet. We see the use of methane, and in particular biomethane, as the main opportunity to make a step change in the carbon emissions of our heavy truck fleet. We're currently running 44 'dual-fuel' trucks that use a mixture of gas and diesel fuel, and are also interested in running 'dedicated' gas trucks. The Leyland gas filling station is in a good location for us, and importantly gives us the opportunity to purchase gas with 'Green Gas Certificates'.

National Grid's network strategy director, David Parkin explained, "National Grid provides a gas network across much of the country and is proud to be connecting the first high pressure local

transmission system (LTS) CNG filling station in the UK.

“We believe that the use of natural gas from the local transmission network, as a fuel in the transport sector, can play a significant role in reducing greenhouse gas emissions in the future. Whether it’s CNG or Bio-CNG, the benefits for use as a fuel in HGVs is clear; lower emissions, quieter engine noise and favourable fuel prices, compared with traditional liquid fuels.

“With our existing local high pressure gas network we are able to provide this innovative scheme the capability to develop and provide more CNG filling stations across the country.”

Philip Fjeld from CNG Fuels continues: “We’re really delighted to have secured John Lewis Partnership as the first major customer for the Leyland LTS CNG station. Being able to offer attractively priced Bio-CNG makes converting to gas a perfect way for companies to drastically reduce their greenhouse gas emissions, and improve their bottom line, without compromising operational efficiency. We’re expecting many more of the UK’s big fleets to take the same path.”

CNG Fuels will also be supplying CNG to the HGVs of Brit European at the Leyland LTS CNG station. Brit European won the Motor Transport Award in 2014 for Low Carbon and Efficiency by switching its fleet to biomethane.

CNG Fuels focuses on CNG and biomethane for transport. The company is dedicated to building and operating CNG filling stations and delivering CNG to ‘off grid’ businesses across the UK. The company was spun out of CNG Services in 2014 and it has taken on ownership of the UK’s largest public access CNG filling station in Crewe.

The Leyland filling station is expected to open in the last quarter of 2015.

Ends

Picture caption – One of Waitrose’s 44 ‘dual-fuel’ trucks that use a mixture of gas and diesel fuel

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Note to editors

Supplying Biomethane or Bio-Gas

Using the Green Gas Certification Scheme (GGCS) each unit of green gas injected into the grid displaces a unit of conventional gas. So the GGCS tracks each unit of green gas from its injection into the distribution grid to its sale. It tracks the contractual rather than physical flows to ensure there is no double-counting from production to end use.

Leyland CNG Filling Station technical details:

The Leyland CNG station will be accessible every day of the year.

The station will be equipped with:

- 2 compressors with a combined capacity of approx. 3,500 kg/hour
- Cascade storage to ensure fast-fill (typically 3-4 minutes for a full CNG fill)
- 2 HGV refuelling lanes with 4 independent fast-fill refuelling dispensers (2 dispensers to be installed initially, with another 2 to be installed as demand increases)
- 2 dedicated fast-fill CNG trailer loading bays
- Unmanned facility, with CCTV monitoring and remote diagnostics

By utilising the LTS natural gas grid the following benefits are achieved:

- CNG dispensed has the lowest carbon footprint of any natural gas fuel in the UK as the higher pressure in the LTS pipeline, compared to pipelines usually used for CNG stations, mean less electricity is used for compression
- Lower OPEX and maintenance costs at the CNG station, compared to CNG stations operating off the lower pressure natural gas grid, means cheaper CNG for customers
- The use of the local transmission system helps to reduce the emission of greenhouse gas.

CNG Fuels Ltd

CNG Fuels Ltd was spun out of biomethane and CNG engineering specialists CNG Services Ltd in 2014. The Company owns and operates the UK's largest public access CNG filling station, located in Crewe, Cheshire. The Company is developing the UK's first high pressure (LTS) grid connected CNG station, which will be located in Leyland, Lancs, and which will supply HGV fleets with low cost and low emissions fuel. The Company is dedicated to building out a network of CNG refuelling infrastructure throughout the UK, and fostering the adoption of CNG into HGV fleets and off-grid located businesses.

For more information, visit www.cngfuels.com

The John Lewis Partnership

The John Lewis Partnership - The John Lewis Partnership operates 43 John Lewis shops across the UK (31 department stores, 10 John Lewis at home and shops at St Pancras International and Heathrow Terminal 2), johnlewis.com, 338 Waitrose shops, waitrose.com and business to business contracts in the UK and abroad. The business has annual gross sales of over £10bn. It is the UK's largest example of worker co-ownership where all 93,800 staff are Partners in the business.

Green Gas Certification Scheme

The Green Gas Certification Scheme (GGCS) tracks biomethane, or 'green gas', 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. So the GGCS tracks each unit of green gas from its injection into the distribution grid, to any trades, to its sale to a consumer, or group of consumers. It tracks the contractual rather than physical flows to ensure there is no double-counting from production to end use.

The GGCS is run by the Renewable Energy Association's subsidiary, Renewable Energy Assurance Ltd. GGCS participants oversee the way it is run, on a not-for-profit basis.

<http://www.greengas.org.uk/>

National Grid

National Grid is one of the largest investor-owned energy companies in the world and was named Responsible Business of the Year 2014 by Business in the Community. This accolade acknowledges all of our efforts in getting involve with the things that really matter to us and to society. We own and manage the grids that connect people to the energy they need, from whatever the source. In Britain and the north-eastern states of the US we run systems that deliver gas and electricity to millions of people, businesses and communities.

In Britain, we run the gas and electricity systems that our society is built on, delivering gas and electricity across the country. In the North Eastern US, we connect more than seven million gas and electric customers to vital energy sources, essential for our modern lifestyles.

National Grid in the UK:

- We own the high-voltage electricity transmission network in England and Wales, operating it across Great Britain
- We own and operate the high pressure gas transmission system in Britain
- Our gas distribution business delivers gas to 10.9 million homes and businesses
- We also own a number of related businesses including LNG importation, land remediation and metering
- National Grid manages the National Gas Emergency Service free phone line on behalf of the industry - 0800 111 999 (all calls are recorded and may be monitored).
- Our portfolio of other businesses is mainly concerned with infrastructure provision and related services where we can exploit our core skills and assets to create value. These businesses operate in areas such as Metering, Grain LNG Import, Interconnectors and Property. National Grid Carbon Ltd is a wholly owned subsidiary of National Grid. It undertakes Carbon Capture Storage related activities on behalf of National Grid.

Find out more about the energy challenge and how National Grid is helping find solutions to some of the challenges we face at www.nationalgridconnecting.com