Avonmouth Storage Terminal Completes Filling Phase (21/06/2023)

Flogas Britain, one of the UK's leading liquefied petroleum gas (LPG) suppliers, has completed the 'gas-up' phase of commissioning on what will become the nation's largest above ground LPG storage terminal, with the capacity to store 34,564 tonnes of LPG.

The project, which has converted the former National Grid LNG (liquefied natural gas) facility at Avonmouth, Bristol, will significantly increase Flogas' LPG storage capability, improving the UK's off-grid gas infrastructure, and providing greater security of supply to commercial and residential customers nationwide, as demand grows through energy transition.

Flogas Britain has committed a significant investment in the facility to support the decarbonisation strategy for UK off-grid homes, and commercial customers nationwide.

The project comes at a critical time, facilitating the crucial role LPG plays in transitioning the UK's off-grid businesses and homes from high carbon fossil fuels to an efficient low carbon alternative.

The new Avonmouth facility is in line with Flogas' 2040 vision to build a lower carbon future for off-grid homes and businesses. The site will be "bio-ready" from the outset, capable of storing bioLPG, a chemically-identical, renewable alternative to LPG. As a 'drop in' fuel, bioLPG can be blended with or replace LPG, without the need for changes to infrastructure, boilers, or equipment.

Ivan Trevor, Flogas Britain's Managing Director, said "The commissioning of our Avonmouth facility is a significant milestone on our journey to de-carbonise our supply and supports the DCC Energy division's wider strategy to reduce our overall emissions."

Paul Horton, Flogas Britain's Chief Operating Officer, added "This project will deliver an essential source of supply and security of product in particular to customers and our depots within the South West region. It is an essential part of our strategic plan to provide resilience in customer service and future-proofs our energy transition with the ability to store bioLPG."

FLOGAS RECEIVES FIRST SHIPMENT OF BIO-LPG

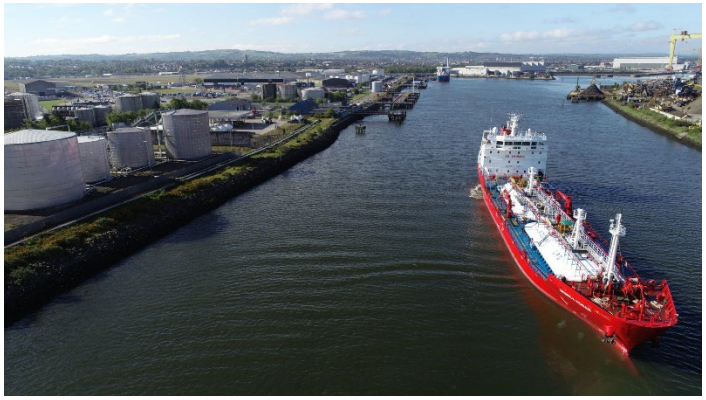
Flogas Britain has received its first shipment of Bio-LPG which marks the latest step in achieving their 2040 Vision, whereby Flogas endeavour to supply customers with 100% renewable energy solutions by 2040. This development demonstrates Flogas' ongoing commitment to reducing their carbon emissions whilst growing their business sustainably.

What is Bio-LPG?

Bio-LPG is identical to LPG and will require no future adaptation for LPG users, providing an easy pathway to full carbon reduction for all rural off-grid homes and businesses, so no expensive upgrades will need to be made in order to start using it.

Renewable: made from a diverse mix of sustainable biological feedstocks and processes.

Low carbon: up to 90% carbon emissions reduction and carries the same low NOx, SOx and PM as conventional LPG.



Bio-LPG produces far fewer carbon emissions than other off-grid traditional fossil fuels such as oil and will continue to deliver low levels of nitrous oxides (NOx), sulphur oxides (SOx) and particulate matter (PM) – some of the main contributors to air pollution.

"As a market leader in off-grid energy, we pride ourselves on being at the forefront of innovation and are fully aligned with the governments net zero targets. Bio-LPG is yet another example of our long-term commitment to our 2040 Vision and marks a major step forward in the type of low carbon fuel that's now available across the UK".

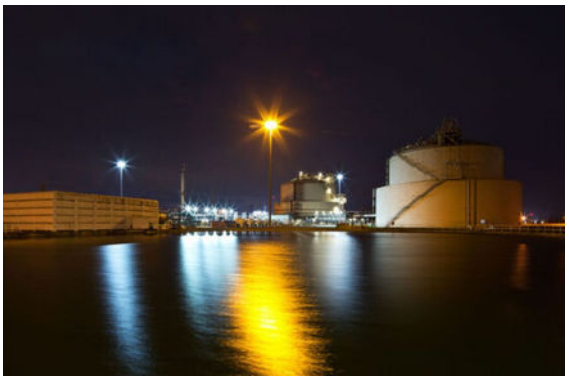
David Taylor, Commercial Director at Flogas Britain said "We recognise that eco-conscious customers are now making every effort to lower their environmental impact. Both LPG and Bio-LPG are highly versatile so can be used for a wide range of applications."

Planning permission granted for pipeline into Avonmouth LPG storage facility

New LPG facility to boost local economy and provide a cleaner, more secure fuel supply.

Flogas Britain, one of the UK's leading liquefied petroleum gas (LPG) suppliers, has been granted planning permission to construct a gas pipeline from Bristol Port into the UK's largest above ground LPG storage terminal, at Avonmouth, near Bristol.
The storage facility, formerly owned by National Grid, has been a feature of the local landscape for several decades, and was previously only able to store LNG (liquefied natural gas). Giving it a new lease of life, Flogas is converting it into an LPG and green gas storage facility, with the capacity to store 34,564 tonnes. It's set to bring a significant and welcome boost to the local economy each year and will generate a host of local employment opportunities, including 50-100 construction jobs, as well as roles at Bristol port and the Avonmouth facility.

With completion expected in 2025, the pipeline will link the UK to an unparalleled supply of off-grid gas, providing a secure and futureproof supply for off-grid homes and businesses across the UK. It will also play a vital role in creating a lower carbon future and meeting the Government's legally binding net zero emissions target.



LPG is the cleanest, most efficient conventional off-grid fuel available, and those switching to LPG from oil benefit from significant carbon savings and improved air quality as it emits far fewer pollutant emissions.

Not only will Avonmouth provide a dependable supply of LPG, but it will also have the capability to import Bio-LPG – a fully renewable green gas alternative. It will also provide access to emerging renewable fuels not currently manufactured or available in the UK, helping to further futureproof Britain's fuel supply.

There will be clear affordability benefits too, as access to global markets will increase supplier options, and reduce the UK's reliance on its diminishing refinery network.

Starting at Bristol Port with a new, state-of-the-art unloading facility, the pipeline will largely follow existing pipeline routes away from residential areas through predominantly industrial zones to the Flogas Avonmouth storage facility. Running safely underground and creating no visual impact, the twin-pipeline will vastly increase the availability of LPG and Bio-LPG, enabling up to 20,000 tonnes to be safely and securely discharged from a ship in 24 hours. It will also eliminate the need for hundreds of road tanker visits to fill the facility.

"The granting of planning permission is the final piece in the jigsaw for this ground-breaking project. We already have the Avonmouth storage facility and agreement in principle from Bristol Port and landowners for the pipeline route. "The facility is set to give the local community a great economic boost, bringing £millions to the area each year, along with a host of employment opportunities. Once operational it will provide security of supply to off-grid Britain, plus it's completely future ready too. This means its fully compatible with renewable fuels and will be able to support homes and businesses as they make the important transition to a lower carbon future. "As an energy supplier that is committed to meeting net zero targets, we fully support heat pumps and other renewable power supplies, but for many off-grid homes and businesses, they can be unsuitable or unaffordable. For these customers, LPG is the perfect off-grid transition fuel away from oil, and this pipeline will increase its affordability and supply."

Flogas Britain, has completed a tripartite deal with North Sea Midstream Partners Limited (NSMP) and Exolum Seal Sands Limited (Exolum), which will see up to 120,000 tonnes of LPG turned inland at Teesside from October 2023.

The deal is set to boost the resilience of off-grid energy across the North of England and Scotland, providing security of supply to homes and businesses in the region. The facility also has capacity to be a gateway for renewable gases in the future.

Currently, gas reserves from several North Sea fields are transported to NSMP's gas processing plant at Seal Sands, where LPG is fractionated and then exported to global markets. As a result of the deal, NSMP will transport this LPG to existing infrastructure owned by Exolum, and Flogas will act as off-take partner, distributing the LPG supply across Northern England and Scotland.

This development is part of Flogas's unwavering commitment to improve the security of the nation's off-grid energy supply, reducing the reliance on imports, and providing clear options for renewable energy in the future in support of Net Zero targets.

It follows the company's recently granted planning permission for a pipeline into the UK's largest above-ground LPG storage facility in Avonmouth. Once complete, this will link the UK to a diverse, global supply of LPG, as well as emerging sources of renewable fuels, enhancing security and affordability for off-grid customers nationwide.

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