

Decarbonising Heat: The role for LPG and bioLPG

Sophia Haywood, Director of Public Affairs, Liquid Gas UK



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About us

- Liquid Gas UK is the trade association for the **LPG industry** in the UK
- Member companies cover over **99% of the total LPG distributed in the UK**
- Membership is made up of gas producers & distributors, Equipment & Service Providers, Training Centres, Installers – holistic approach to markets
- Recently **rebranded from UKLPG to Liquid Gas UK**



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The big picture

LPG in the UK today

LPG emits
33% less



20% less
than oil

Total investment in the
sector in the last year

£**115m**

193,000

households
in the UK using LPG for
space and water heating



1,037,771

Total LPG
tonnage

(including both butane & propane across all UK markets)

£**600m**

forecast investment in
the next 5 years



£**1 billion**

industry turnover in
the last
year



More than **3,500**
people employed directly
by LPG industry in the UK

650



jobs created in the
industry over the last year

Drop in solution bioLPG offers

up to **90%**

carbon emissions
reduction on LPG

£**106 m** - current
investment in bioLPG



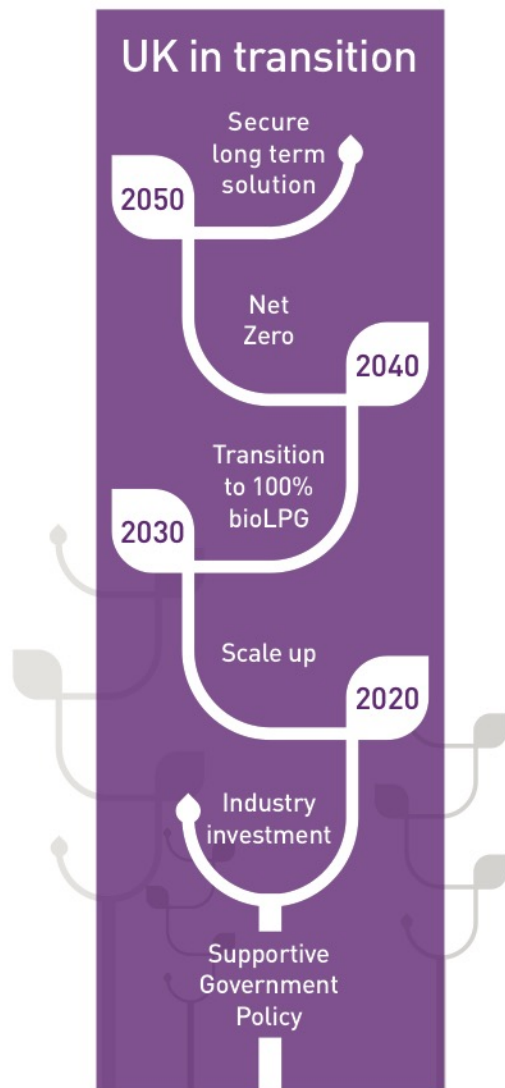
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Why LPG?

- Low carbon
- Clean burning
- Secure supply
- Versatile
- High efficiency
- Supports economic growth
- Bio ready infrastructure
- Perfect partner for hybrid technology



2040 Vision



The liquid gas industry aims to transition fully to bioLPG (also known as biopropane) by 2040.

Industry is keen to demonstrate its role in the UK's net zero future.

It brings a number of benefits:

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

Low carbon: Up to **90%** carbon emissions reduction while offering the same low NOx, SOx and PM as conventional LPG.

LPG boilers are bio-ready: As bioLPG is a 'drop-in' fuel, LPG infrastructure is ready for the future. This means no retrofit costs and low consumer disruption.

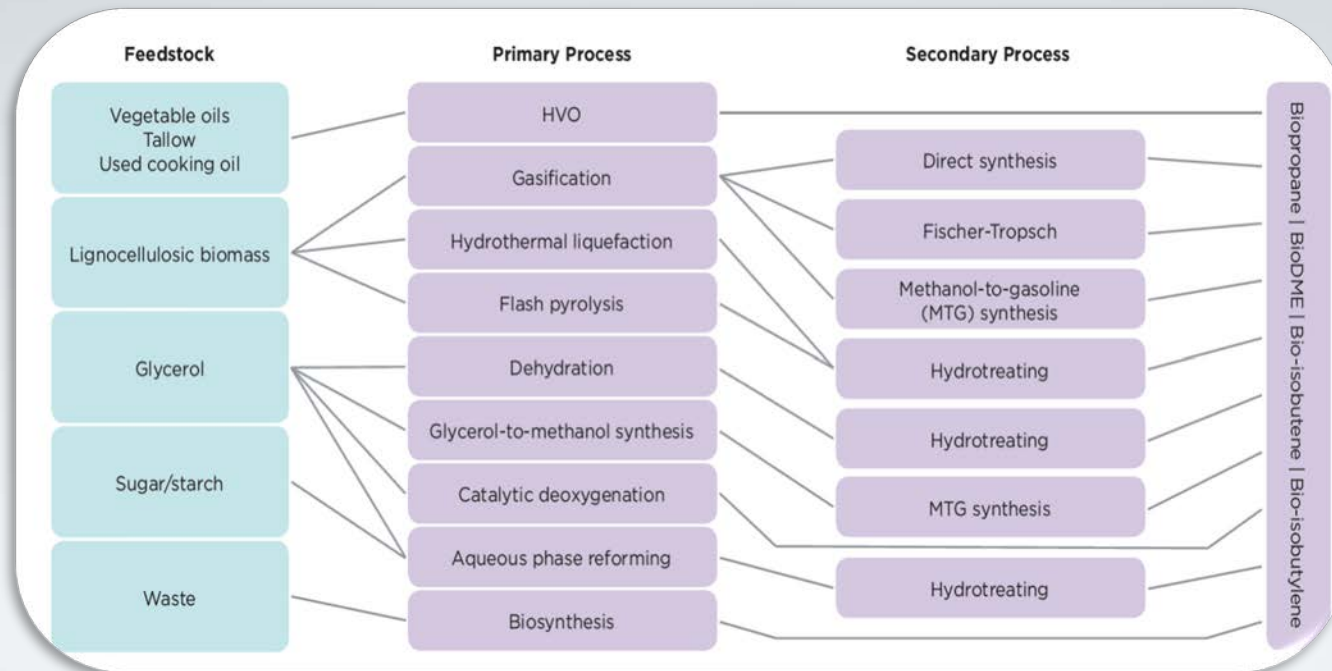
Instant heat: Immediate and expedient heat or hot water.



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BioLPG Feedstocks & Processes

- Bioenergy experts NNFCC found a transition to 2040 feasible
- LGUK members investing in imported and localised production
- Significant opportunities for bioLPG from HVO and Gasification in the UK, plus Isobutene production
- Exclusive bioLPG report launching later this month



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Decarbonising off-grid homes

- 2m rural off-grid homes, of which 1.1m properties use heating oil and 200,000 use coal
- Need different solutions for different types of buildings, not a 'One Size Fits All' approach
- Mixed approach for off-grid homes can save the UK £7bn in levelised cost analysis, and meet Net Zero targets

A long term policy framework that supports a consumer-led, market approach to off-grid heat decarbonisation will enable UK citizens to make low carbon, sustainable choices that work for them.



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Why can't you take a one size fits all approach?

- Whole house approach
- Household energy use
- Geographical / Settlement Attributes
- Socio-economic factors
- Character & Heritage
- Lastly, but importantly, cost



Missed opportunities in public policy

- Green Homes Grant – hybrids however now included
- Proposed Clean Heat Grant
- Not fixing the EPC methodology
- Reliance on EPCs in UK & Devolved policy

Policy makers must acknowledge that **different solutions will be required for different types of buildings** across the UK, in the upcoming *Heat & Building Strategy* and Heat strategies in each of the Devolved Nations.



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If you have any further questions, please contact Sophia Haywood,
Director of Public Affairs on sophia.Haywood@liquidgasuk.org