



Gasdagarna 2022

‘Fit for 55 and the role of liquid gas’

19 May 2022

Båstad, Sweden

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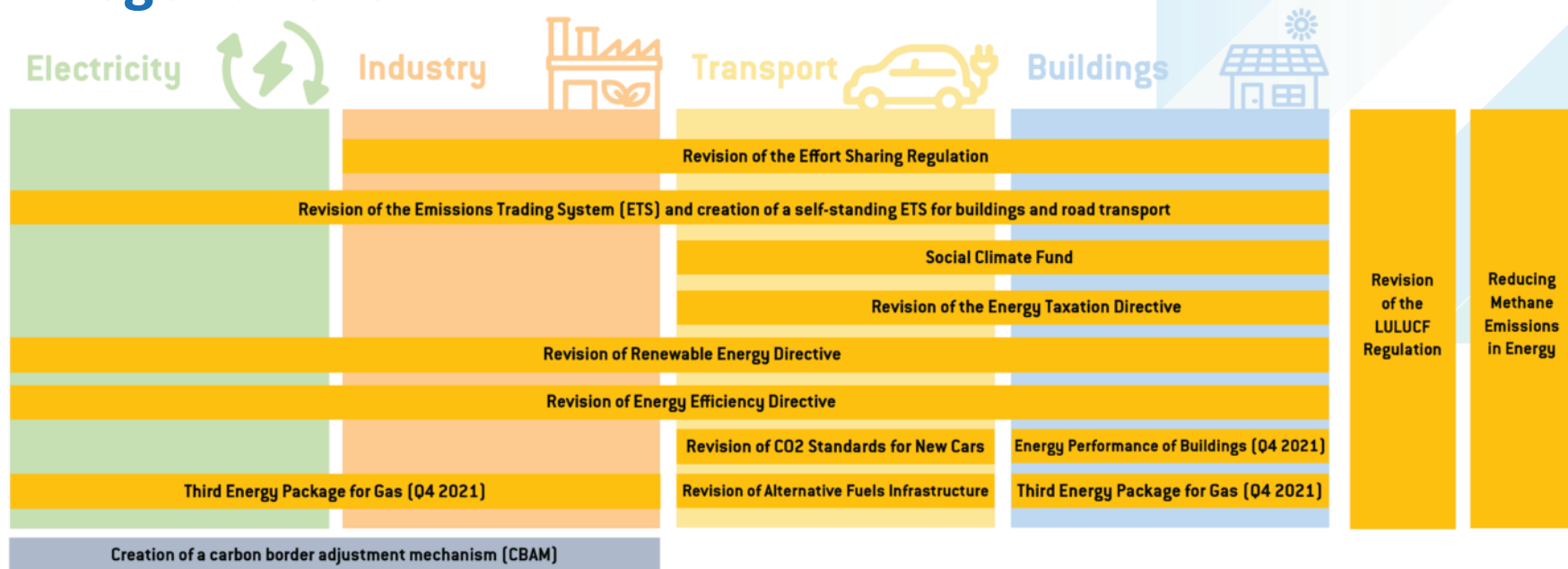
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European LPG Association
www.liquidgaseurope.eu

Fit for 55 – last year's proposals in the midst of negotiations



Proposed targets still under negotiations

New **RENEWABLE ENERGY** target for 2030



New **ENERGY EFFICIENCY** target for 2030



Set a benchmark of

49%



OF RENEWABLES in buildings by 2030

Require Member States to increase the use of renewable energy in heating and cooling by



+1.1

PERCENTAGE POINTS each year, until 2030

Require Member States to **RENOVATE AT LEAST**

3%



of the total floor area of **ALL PUBLIC BUILDINGS** ANNUALLY

Reduction CO₂ for cars (%)



Reduction CO₂ for vans (%)



Targeted reduction in transport GHG intensity

13 % by 2030



Targeted share of renewable H₂ and synthetic fuels
2.6 % by 2030

Targeted share of advanced biofuels
2,2 % by 2030



Threats and opportunities for liquid gases



Key trends

Electrification

- Push for 100% emissions reduction target in CO2 Standards for cars & vans

Boiler Ban

- Legal basis for Member States to ban the use of fossil fuel boilers in the EPBD

Uptake of renewables

- EU is pushing for an increased share of 45% renewables by 2030 in the EU's energy mix via RED

Carbon pricing

- Increased financial pressure on fossil fuels through ETD and possible extension of ETS to heating and road transport



Autogas



Heating



r/Biogás



Taxation

Impact

Future role of Autogas

- De facto ban of ICE from 2035 indicates limited role of fossil and renewable fuels in new passenger and light duty vehicles

BioLPG/rDME boilers

- Limited role of LPG boilers in the 2050 building stock and limited role of renewable fuels in domestic heating

Uptake of bioLPG and rDME

- Incentivises the uptake of all sustainable renewable fuels, including r/bioLPG and rDME

Financial burden

- Price incentive to switch to renewable fuels

Renewable liquid fuels: rLPG / bioLPG



It is identical in use and performance to conventional LPG and gives today up to 80% lower carbon footprint. In the long run, bioLPG has the potential to become carbon neutral depending on the development of new production processes.

BioLPG is a cost-effective solution to the decarbonisations in segments such as, but not limited to, transport as well as industry, heat generation and cooking in rural areas.



Launched in 2018, it is available on the European market in growing, quantities.

Pathways for bioLPG



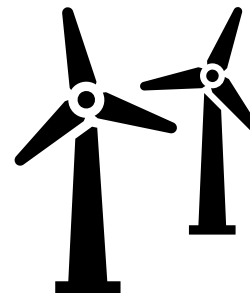
Biorefining
(lipids)

Gasification
and pyrolysis

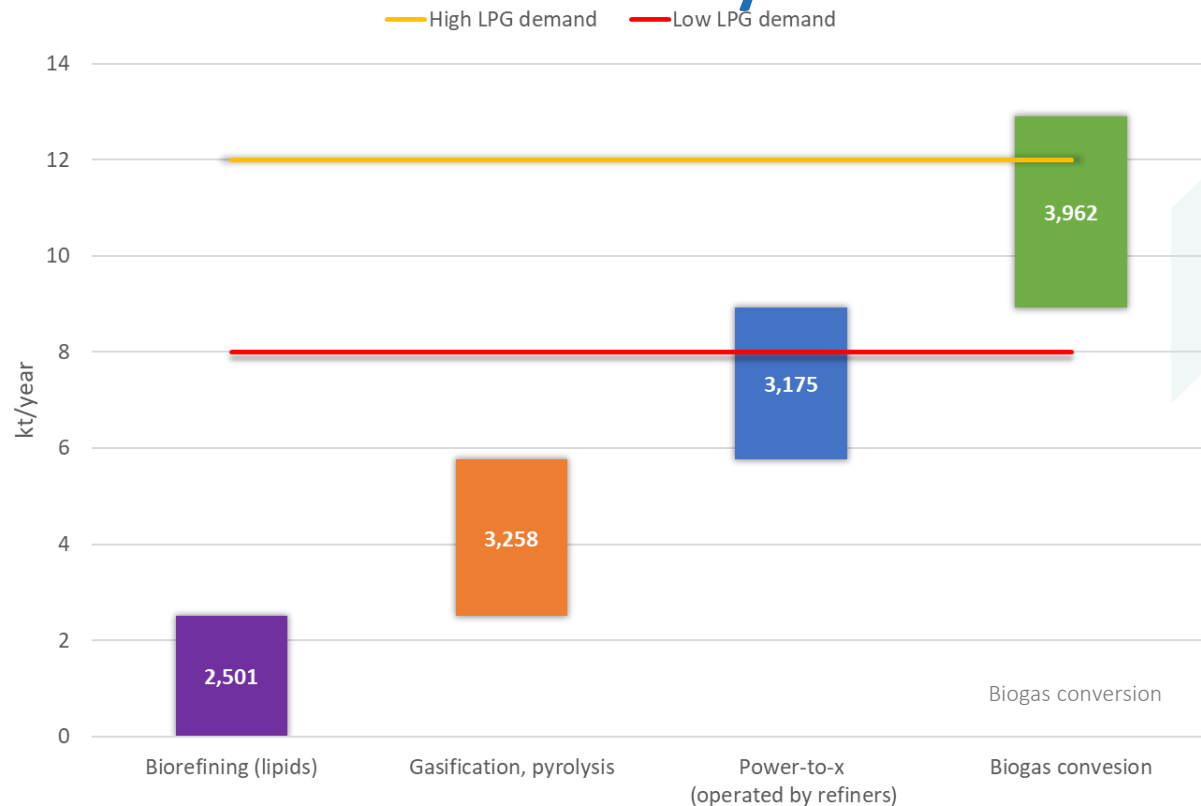


Biogas
conversion

Power-to-x



Future of rLPG/ bioLPG will depend on investments made today



**The European
LPG market can be
100% renewable
by 2050**

Quick look into rDME

A clean burning fuel with physical properties similar to LPG, completely miscible with LPG.

Blends up to about 20 wt% require little or no modifications to the LPG distribution infrastructure and appliances.

Renewable DME (rDME) can significantly contribute to the defossilisation of the LPG industry. For each tonne of LPG replaced:

- As 20 wt% rDME/LPG blend, carbon intensity (CI) reduction by 11 to 14%.
- As 100% rDME, carbon intensity (CI) reduction by 80 to 107%*

* WLPGA rDME Pathways in the LPG Industry Study

What we need to succeed: The decarbonisation journey

All production pathways to renewable liquid fuels should be recognized within the European policy framework including within the Renewable Energy Directive to stimulate investments

Ensuring technology neutrality within EU legislations: Bans of specific technologies will not solve the climate issue – we need all solutions which can contribute to decreasing GHG emissions

Ensuring that all types of consumers are brought into the decarbonisation journey and not left behind: a just energy transition for all

Joins us for more discussions in Barcelona

A promotional banner for the Barcelona 2022 European Liquid Gas Congress. The background is a collage of Barcelona's architecture, including Gaudí's Sagrada Família and Park Güell. Overlaid on the image is a red banner with the text "BARCELONA 2022" and "EUROPEAN LIQUID GAS CONGRESS 29-30 June". A circular logo on the left says "POWERED BY Liquid Gas Europe". On the right, a white box contains a list of event details. In the bottom right corner, there is a logo for "LPG EXCEPTIONAL ENERGY" with a green flame icon.

- 1000+ participants
- more than 100+ exhibitors
- 9 sessions & more than 40 speakers from around Europe
- networking opportunities



Thank you

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