



**Where
would we
be without
Gas?®**



#wherewouldwebewithoutgas



#wherewouldwebewithoutgas

Over
430,000 NZ
homes use Gas
everyday for
cooking, water
& heating

*Gas Industry facts at a glance, 2019 (Gas Industry Co Ltd)



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**Gas powers
over 19,000
kiwi business's
like hotels,
restaurants,
hospitals etc.**

*Gas Industry facts at a glance, 2019 (Gas Industry Co Ltd)



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**Gas is used to
generate 14%
of electricity
when renewable
sources cannot
meet the demand**

*MBIE Electricity Generation Year to March 2021



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NZ homes

(using Gas energy)

contribute to less than 1% of NZ's total greenhouse Gas emissions

*MoE NZ Greenhouse Gas Inventory 1990-2019



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**Power to
heat homes
& hot water
makes up 63%
of an average
household's
energy bill**

*gasenergy.org.nz/home-heating



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**Gas is an
economical &
instant
provider of
water heating,
home heating
& cooking**



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The Future of Gas in NZ

BioGas

BioLPG

Hydrogen

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BioGas

Primarily composed
of Methane, Carbon
Dioxide and trace
amounts of Nitrogen,
Hydrogen & Carbon
Monoxide



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**made by anaerobic
digestion of high
energy organic
waste; manure,
wastewater
treatment sludge,
food waste & crop
residues**

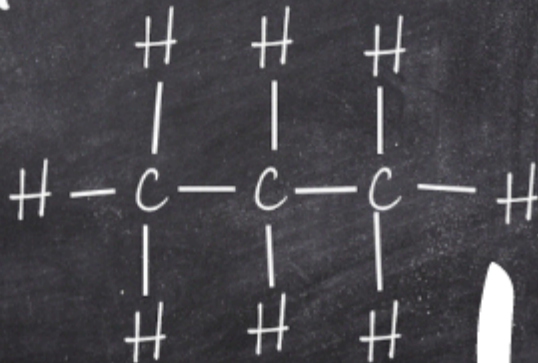


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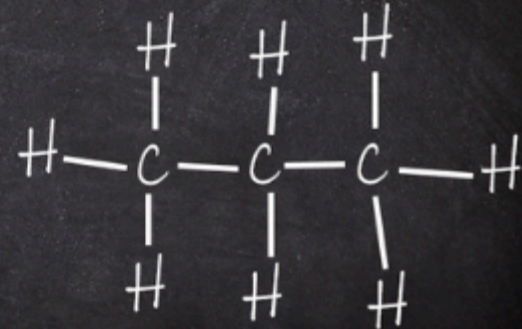
BioLPG

Chemically identical to LPG

LPG



BioLPG



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**BioLPG is
produced
from plant &
vegetable
waste**

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**BioLPG emits
less CO₂ than
conventional
LPG**



*World LPG Association



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**Conventional LPG
& BioLPG can be
blended making the
move to renewable
LPG simpler for the
end user & the
industry**



GALPRO STYLEX

*NZ Govt Green Paper: A Vision for Hydrogen in New Zealand

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**Current &
future LPG
appliances are
already
compatible
with BioLPG**

*World LPG Association



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**30% of LPG
demand could be
supplied by BioLPG
by 2035 reducing
carbon emissions
by 300,00 tonnes
p/yr**

*LPG Association NZ - "Pathway to 70/100% renewable LPG"



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Hydrogen

a clean zero
emission fuel,
only producing
water when
used



*The New Zealand Hydrogen Council

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Most current Gas appliances can use Natural Gas blended with 20% Hydrogen

*HHIC - "Hydrogen ready appliances - the pathway" Feb 2021



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4 roles for Hydrogen in NZ economy...

1. Decarbonise
mobility & transport
2. Decarbonise
industrial processes



**3. Decarbonise Gas
for heating &
power**

4. Energy Export

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The future of NZ Gas is bright



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**The industry is working hard
behind the scenes**

***There's no need for the flame
to go out!®***





GALPRO STYLEX

**NZ's Importer of LPG &
Natural Gas products**

Where would we be without gas?®