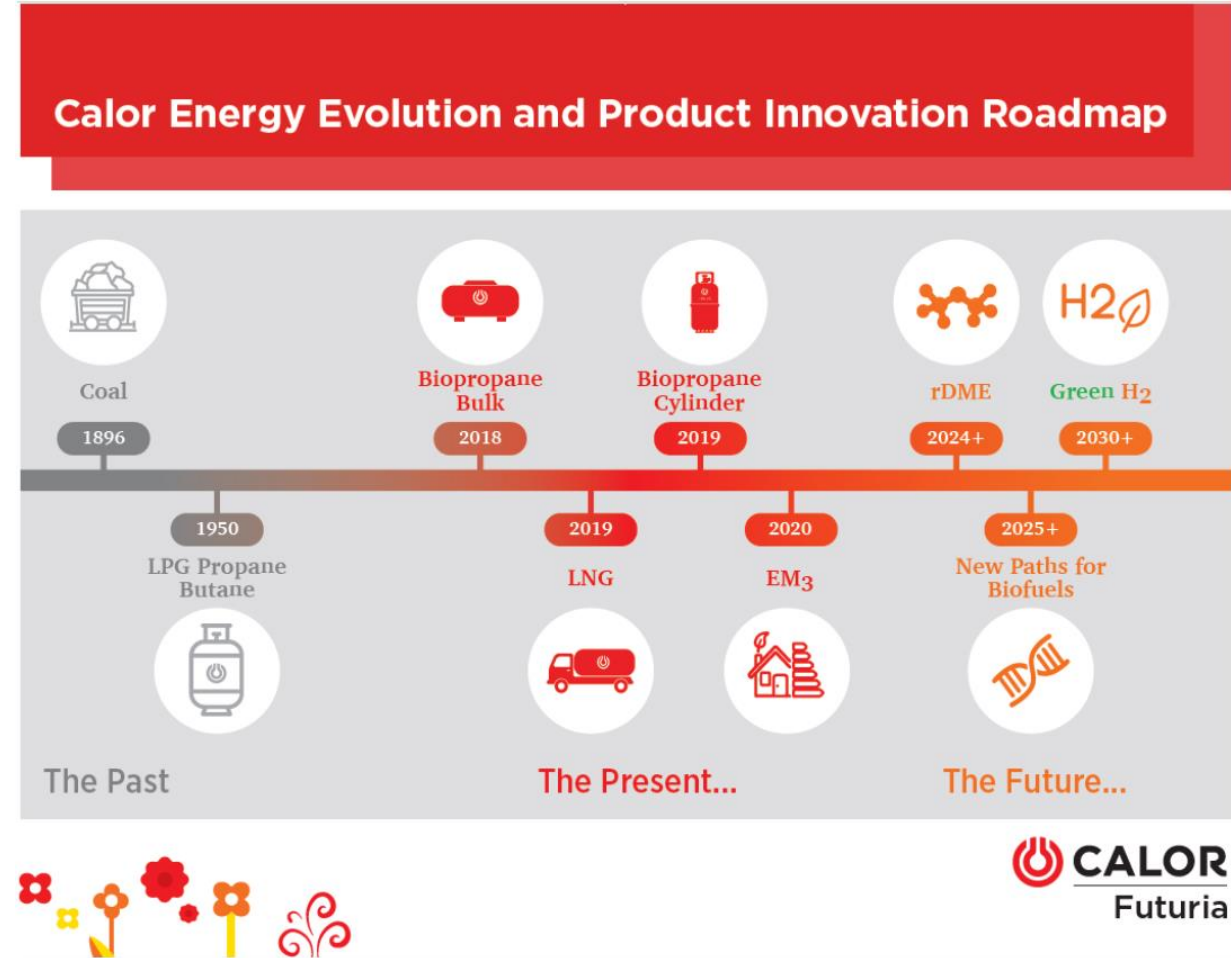


Calor Instant Hot Water Solution Teagasc Workshop January 2024



Calor Ireland Overview

- Over 85 years experience in LPG supply and solutions.
- Supply to domestic & commercial in cylinder and bulk tank form.
- 3 import depots, 2 supply depots & 2 cylinder filling plants on the island.
- Part of SHV Energy Group – Worldwide supplier of LPG in 25 countries, over 4 continents.
- Development of sustainable fuels is a key priority for the group, with introduction of BioLPG to Ireland in 2018.
- rDME currently in trial phase with sister company, Calor GB.



Benefits of Calor & LPG



LOWER CARBON
SOLUTION.



LOW RISK OF FUEL
THEFT & SPILLS.



CLEANER BURNING,
LESS MAINTENANCE.



RUN YOUR FARM AND
HOME ON CALOR.



BIOLPG – OUR
RENEWABLE OPTION
REQUIRES NO CHANGE
OF LPG EQUIPMENT.



TELEMETRY REMOTELY
MONITORS TANK
LEVELS WITH
AUTOMATIC TOP UPS.



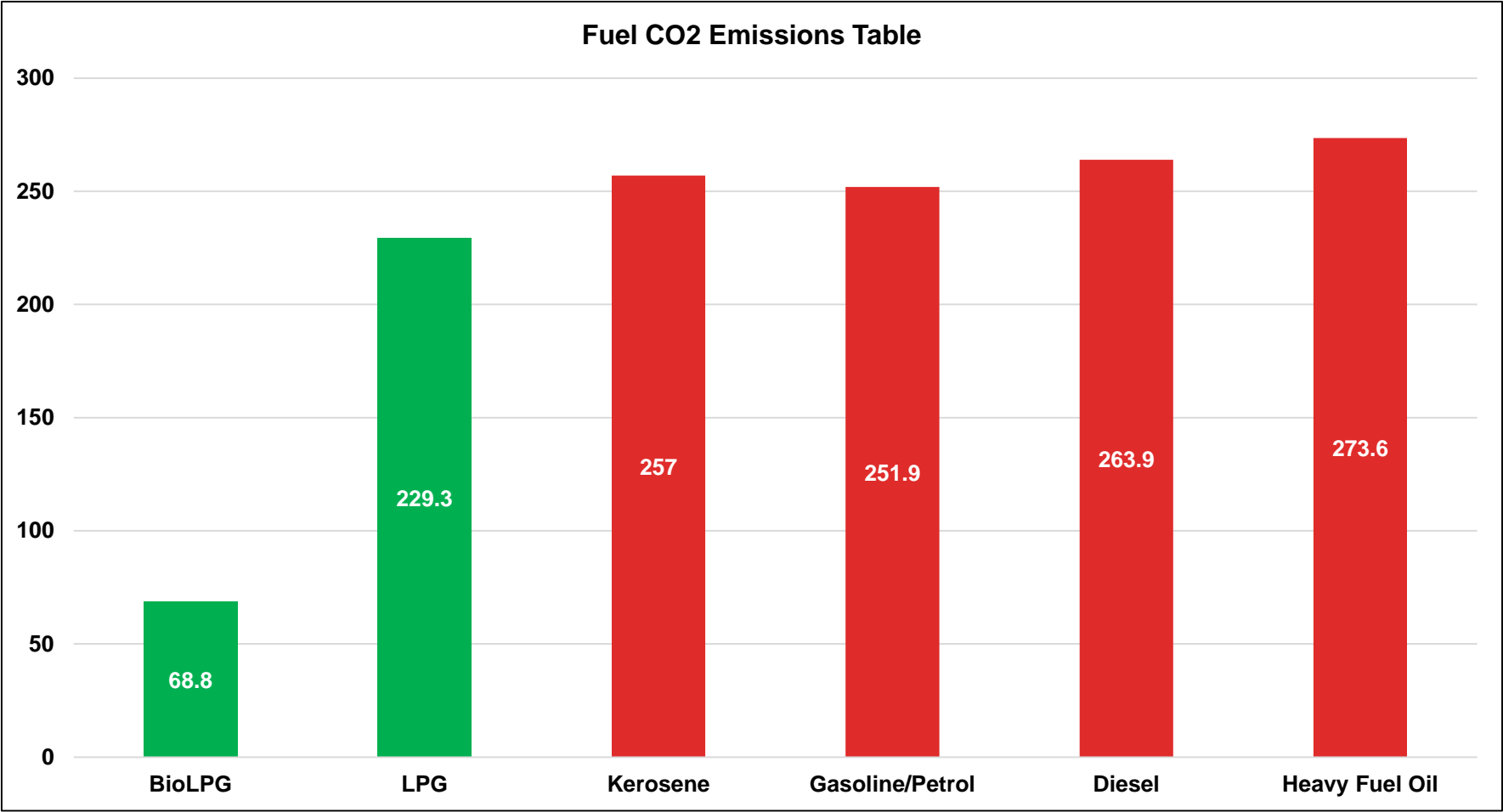
LOW NOISE
LEVELS



5 YEAR
WARRANTY



LOW SET
UP COSTS



BioLPG - Using as a basis, the mid-range emission figure for BioLPG 68.8gCO2 per kWh. ROI Version October 2023
Source; SEAI-conversion-and-emission-factors

ROI Carbon Emission Figures		
Fuel	Carbon Emission Factors gCO2 per kWh	% CO2 Savings Using LPG v other fuel
		%
LPG	229.3	
Kerosene	257	10.78
Gasoline / Petrol	251.9	8.97
Gas Oil (Diesel)	263.9	13.11
Heavy Fuel Oil	273.6	16.19
Coal (Domestic)	340.6	32.68
Peat	430.5	46.74

Calor Hot Water Offering - Rinnai Instant Hot Water Heaters

- A-rated energy efficiency

Instant supply of hot water on demand.

Controllable temperatures within 1°C

Works with all types of dairy washing systems.

Suitable for use with chlorine-free detergents.

Improves TBC and reduce contamination risks.

Rinnai water heaters work with BioLPG & are Hydrogen ready.

Renewable ready – use in conjunction with other technologies - accepts preheated water up to 65°C

Calor recommend water treatment for efficiency & running of the heater



No standby hot water storage costs

Running Costs

No of Heaters	No of Units heater serves	Amount of gas to heat 200l @ 85 degrees	Cost per litre of gas	No of litres provided per minute	Typical installation cost*
1 heater	Up to 12 units	2.6 litres	65 cent + carbon	12.5 litres per minute	€3000
2 heaters	12 units +	2.6 litres	65 cent + carbon	25 litres per minute	€4500

*installed, commissioned and certified.









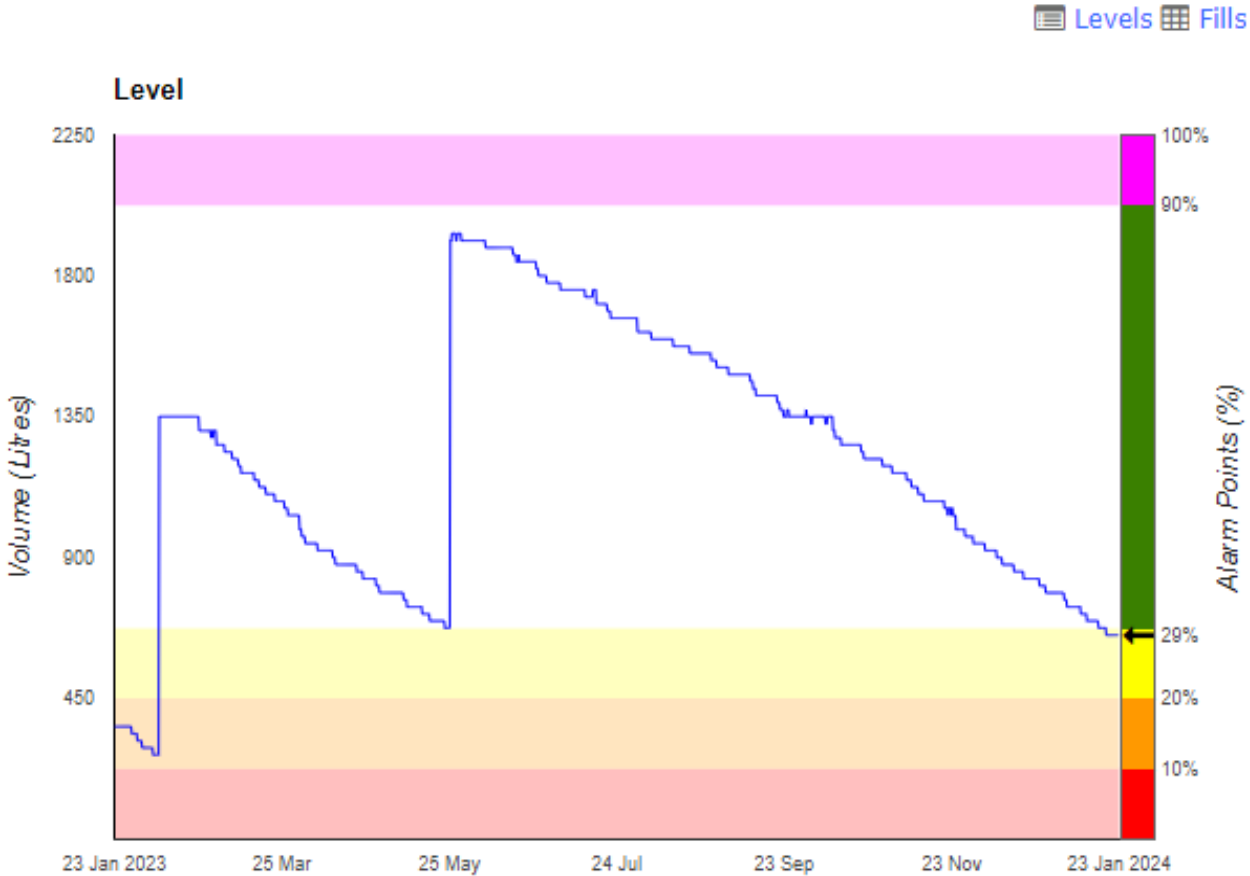


Automatic Top up & email telemetry reports on tank levels

Site Details | Dialer | **Tank** | Audit Trail

Tank ID	3422
Category	Agriculture (2)
Product	Propane
Transducer	Class Horizontal Tank %water volume
Device	Dialer 0079-00006, Chn 1
Device Status	Operational
Sample Times	12:00am, 6:00am, 12:00pm, 6:00pm
Water Volume	2250 Litres
Ullage Level (% wv)	87 %
Alarm Level 1	30 %
Alarm Level 2	20 %
Alarm Level 3	10 %
Safe Fill Level	90 %
Rate Fall	10 %
Current Level	<div><div></div>29%</div> 23-Jan-2024 03:42

Year	2022		2023	
Month	Tonnes	Litres	Tonnes	Litres
Feb	-		0.57	1,114
Apr	0.71	1,406	-	
May	-		0.66	1,290
Total	0.71	1,406	1.22	2,404



◀ [Prev](#) ☐ 1 Week ☐ 1 Month ☐ 3 Months ☒ 12 Months [Next](#) ▶

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<https://www.calorgas.ie/for-business/agriculture/dairy-farms>

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