

Propane Powered Vehicles



Providing Greener Solutions



Environmentally Friendly

Propane burns more cleanly than gasoline or diesel fuel. On a per unit energy use basis, propane produces fewer greenhouse gas emissions that contribute to climate change.

Propane also contains fewer toxic pollutants. For example, because propane has extremely low sulphur content, it does not produce significant amounts of sulphur oxides, which can contribute to acid rain and smog.

Furthermore, **propane** is a pressurized fuel that must be contained within a sealed system, right up to the time it enters your vehicle, so it is less likely to escape into the soil or water through careless handling, spills or evaporation.



Natural Resources Canada
www.nrcan.gc.ca

Natural Resources Canada's own model for lifecycle assessment of transportation fuels clearly demonstrates the Greenhouse Gas reductions that Propane offers over other transportation fuels.



General fuel -->	Gasoline	Gasoline Hybrid	Natural gas	Hythane	LPG	Petrol diesel
Vehicle operation	211.6	139.7	185.9	172.9	191.4	188.2
Fuel dispensing	0.4	0.2	3.7	4.5	0.4	0.3
Fuel storage and distribution	1.5	1.0	4.8	8.1	1.9	1.3
Fuel production	41.0	26.8	4.9	24.0	9.0	22.5
Feedstock transport	3.4	2.2	0.0	0.9	0.5	2.8
Feedstock and fertilizer production	28.6	18.7	6.0	6.8	8.9	23.5
CH4 and CO2 leaks and flares	6.1	4.0	12.4	12.9	4.7	4.9
Emissions displaced by co-products	-0.4	-0.3	0.0	0.0	0.0	-0.3
Sub total (fuelcycle)	292.2	192.5	217.7	230.0	216.7	243.3
% changes (fuelcycle)	0.0	-34.1	-25.5	-21.3	-25.8	-16.7
Vehicle assembly and transport	4.6	4.9	5.0	5.0	4.8	4.0
Materials in vehicles (incl. storage) and lub	28.1	29.4	29.7	29.8	28.1	24.7
Grand total	324.9	226.8	252.3	264.9	249.6	272.0
% changes to CG (grand total)	-0.3	-30.4	-22.5	-18.7	-23.4	-16.5
% changes to RFG (grand total)	0.0	-30.2	-22.3	-18.5	-23.2	-16.3

A Fuel of Choice

Propane is the preferred alternative automotive transportation fuel. Auto propane is today the most accepted alternative fuel in the automotive sector with more than 13 million vehicles operating worldwide.

The added value of **propane** as an automotive fuel is that it generates considerably fewer emissions than other fossil fuels, contributing to the protection of the environment and human health while also mitigating the threat of climate change.

Propane can be up to five times more efficient than traditional fuels, resulting in less energy wastage and better use of our planet's resources!



WORLD LP GAS ASSOCIATION

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