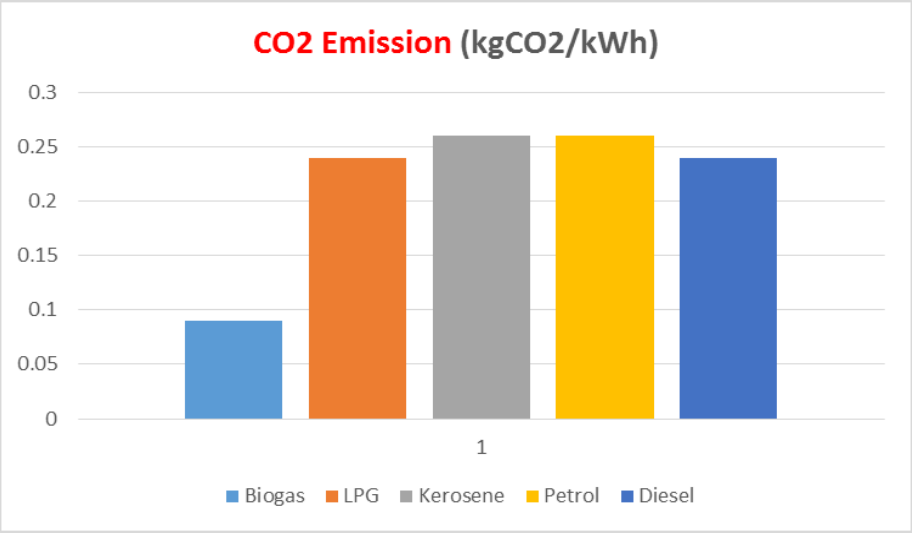
B-Sustain™

Biogas equivalent to Fossil Fuels and its emission comparison

	Fuel	Quantity (kg)
1 m3 of Biogas Equivalent to	LPG	0.45
	Kerosene	0.6
	Fire wood	3.50
	Furnace Oil	0.4
	Petrol	0.7
	Diesel	0.5

S no	Fuel	Calorific Value (kcal/kg)	Power generation	CO2 Emission (kgCO2/kWh)
1	Biogas	5200	6 kWh/m3	0.09
2	LPG	10500	12.2 kWh/m3	0.24
3	Kerosene	10000	12 kWh/kg	0.26
4	Petrol	11200	9.06 kWh/liter	0.26
5	Diesel	10746	9.8 kWh/liter	0.24



When people learn 30-50% of biogas is carbon dioxide (CO2) and see the “C” in CH4, they often think that biogas contributes to global warming. This is not the case. The carbon in biogas is called biogenic carbon. Unlike fossil fuels, which release carbon from a long past geological era into the present atmosphere, biogenic carbon is part of the natural biosphere. The same amount of carbon would be released if the organic matter were left to decompose naturally in the environment. We exhale biogenic carbon every few seconds.

Biogas Engine Vs Diesel Engine