

Table II.4¹

Fuel Type	CO ₂ Emission Factor (g/MJ)	Energy Density (MJ/l or m3)	CO ₂ Emissions (g/l or m3)	CO ₂ Emission Commonwealth Diesel (g/38.6MJ)	Improvement cw diesel
Gasoline/petrol	66	34.2	2,257.2	2,547.6	5.31%
Diesel	69.7	38.6	2,690.42	2,690.42	0.00%
LPG	59.4	25.7	1,526.58	2,292.84	14.78%
Natural Gas	51.3	39	2,000.7	1,980.18	26.40%

1 *Improvement of Heavy-Vehicle Emissions in Conjunction with Reduction in Fuel Excise, A better way to a cleaner future*, paper by Mr Ian Loy, Caterpillar Australia, tabled in evidence, Melbourne, 23 February 1999, p 19.