

Fuel	Defra Carbon emission factors for company reporting 2008 (kgCO ₂ /kWh) ¹	DfT Renewable Fuels Agency (KgCO _{2e} /kWh) ²	EU Fuel Quality directive figures –default values (KgCO _{2e} /kWh) ³	Proposed emissions factor BRE/SAP (kgCO _{2e} /kWh) ⁴
Biodiesel (methyl ester) from virgin crops (eg palm, rapeseed, or soy)	n/a	0.335 (default value) 0.182 (un-weighted average; all feed stocks and sources) 0.065-0.3348 (range depending on feedstock and source)	0.133-0.248 (range depending on feed stock and process)	0.098
Biodiesel from waste oil or tallow	n/a	0.051 (un-weighted average; all feed stocks and sources) 0.047-0.061 (range depending on feedstock and source)	0.05	0.019
Pure plant oil (Rapeseed oil/oilseed rape)	n/a	0.313 (default value) 0.177 (un-weighted average; all feed stocks and sources) 0.13-0.313 (range depending on feedstock and source)	0.126	0.058
Heating oil/fuel oil	0.282	n/a	n/a	0.284
Mains natural gas	0.206	n/a	n/a	0.206

¹Defra conversion Factors for company reporting <http://www.defra.gov.uk/environment/business/reporting/pdf/ghg-cf-guidelines-annexes2008.pdf> (table 1 pg2) Net Calorific Value figures

²http://www.renewablefuelsagency.org/db/documents/Carbon_and_Sustainability_Guidance_Part_1.pdf pg 119-121

The DfT and EU Fuel quality directive figures have been converted from gCO_{2e}/Mj to KgCO_{2e}/kWh using the conversion factor of x0.0036

³<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:140:0088:0113:EN:PDF>

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⁴http://www.bre.co.uk/filelibrary/SAP/2009/Draft_SAP_2009_tables.pdf Table 12 pg31