

## ANNEX I

**METHOD FOR THE CALCULATION AND REPORTING OF THE LIFE CYCLE GREENHOUSE GAS INTENSITY OF FUELS AND ENERGY BY SUPPLIERS**

## Part 2

**Reporting by suppliers for fuels other than biofuels**

5. Average life cycle greenhouse gas intensity default values for fuels other than biofuels and electricity

<b>Raw material source and process</b>	<b>Fuel placed on the market</b>	<b>Life cycle GHG intensity (gCO<sub>2eq</sub>/MJ)</b>	<b>Weighted life cycle GHG intensity (gCO<sub>2eq</sub>/MJ)</b>
Conventional crude	Petrol	93,2	93,3
Natural Gas-to-Liquid		94,3	
Coal-to-Liquid		172	
Natural bitumen		107	
Oil shale		131,3	
Conventional crude	Diesel or gasoil	95	95,1
Natural Gas-to-Liquid		94,3	
Coal-to-Liquid		172	
Natural bitumen		108,5	
Oil shale		133,7	
Any fossil sources	Liquefied Petroleum Gas in a spark ignition engine	73,6	73,6
Natural Gas, EU mix	Compressed Natural Gas in a spark ignition engine	69,3	69,3
Natural Gas, EU mix	Liquefied Natural Gas in a spark ignition engine	74,5	74,5
Sabatier reaction of hydrogen from non-biological renewable energy electrolysis	Compressed synthetic methane in a spark ignition engine	3,3	3,3
Natural gas using steam reforming	Compressed Hydrogen in a fuel cell	104,3	104,3

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*Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.*

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Electrolysis fully powered by non-biological renewable energy	Compressed Hydrogen in a fuel cell	9,1	9,1
Coal	Compressed Hydrogen in a fuel cell	234,4	234,4
Coal with Carbon Capture and Storage of process emissions	Compressed Hydrogen in a fuel cell	52,7	52,7
Waste plastic derived from fossil feedstocks	Petrol, diesel or gasoil	86	86