

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

1. UERs of fossil fuels

In order for UERs to be eligible for the purposes of the reporting and calculation method, suppliers shall report the following to the authority designated by the Member States:

- (a) the starting date of the project, which must be after 1 January 2011;
(b) the annual emission reductions in gCO2eq;
(c) the duration for which the claimed reductions occurred;
(d) the project location closest to the source of the emissions in latitude and longitude coordinates in degrees to the fourth decimal place;
(e) the baseline annual emissions prior to installation of reduction measures and annual emissions after the reduction measures have been implemented in gCO2eq/MJ of feedstock produced;
(f) the non-reusable certificate number uniquely identifying the scheme and the claimed greenhouse gas reductions;
(g) the non-reusable number uniquely identifying the calculation method and the associated scheme[F1.]
(h) [F2.]

Textual Amendments

- F1 Substituted by Regulation (EU) 2018/1999 of the European Parliament and of the Council of 11 December 2018 on the Governance of the Energy Union and Climate Action, amending Regulations (EC) No 663/2009 and (EC) No 715/2009 of the European Parliament and of the Council, Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU of the European Parliament and of the Council, Council Directives 2009/119/EC and (EU) 2015/652 and repealing Regulation (EU) No 525/2013 of the European Parliament and of the Council (Text with EEA relevance).
F2 Deleted by Regulation (EU) 2018/1999 of the European Parliament and of the Council of 11 December 2018 on the Governance of the Energy Union and Climate Action, amending Regulations (EC) No 663/2009 and (EC) No 715/2009 of the European Parliament and of the Council, Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU of the European Parliament and of the Council, Council Directives 2009/119/EC and (EU) 2015/652 and repealing Regulation (EU) No 525/2013 of the European Parliament and of the Council (Text with EEA relevance).

F2. Origin

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F²3. Place of purchase

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F²4. SMEs

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

Raw material source and process	Fuel placed on the market	Life cycle GHG intensity (gCO _{2eq} /MJ)	Weighted life cycle GHG intensity (gCO _{2eq} /MJ)
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
Electrolysis fully powered by non-	Compressed Hydrogen in a fuel cell	9,1	9,1

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biological renewable energy			
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

6. Electricity

For the reporting by energy suppliers of electricity consumed by electric vehicles and motorcycles, Member States should calculate national average life cycle default values in accordance with appropriate International Standards.

Alternatively, Member States may permit their suppliers to establish greenhouse gas intensity values (gCO_{2eq}/MJ) for electricity from data reported by Member States on the basis of:

- (a) Regulation (EC) No 1099/2008 of the European Parliament and of the Council⁽¹⁾;
- (b) Regulation (EU) No 525/2013 of the European Parliament and of the Council⁽²⁾; or
- (c) Commission Delegated Regulation (EU) No 666/2014⁽³⁾.

F27. Feedstock trade name

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- (1) Regulation (EC) No 1099/2008 of the European Parliament and of the Council of 22 October 2008 on energy statistics ([OJ L 304, 14.11.2008, p. 1](#)).
- (2) Regulation (EU) No 525/2013 of the European Parliament and of the Council of 21 May 2013 on a mechanism for monitoring and reporting greenhouse gas emissions and for reporting other information at national and Union level relevant to climate change and repealing Decision No 280/2004/EC ([OJ L 165, 18.6.2013, p. 13](#)).
- (3) Commission Delegated Regulation (EU) No 666/2014 of 12 March 2014 establishing substantive requirements for a Union inventory system and taking into account changes in the global warming potentials and internationally agreed inventory guidelines pursuant to Regulation (EU) No 525/2013 of the European Parliament and of the Council ([OJ L 179, 19.6.2014, p. 26](#)).