

Directive 2009/28/EC of the European Parliament and of the Council of 23 April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC (Text with EEA relevance)

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ANNEX I

National overall targets for the share of energy from renewable sources in gross final consumption of energy in 2020

- A. National overall targets
- B. Indicative trajectory

ANNEX II

Normalisation rule for accounting for electricity generated from hydropower and wind power

The following rule shall be applied for the purpose of...

$$Q_N^{\text{norm}} = C_N \times \sum_i i = \dots$$

where:

N reference year; $Q_N^{\text{(norm)}}$ normalised electricity generated by all hydropower...

The following rule shall be applied for the purpose of...

$$Q_N^{\text{norm}} = C_N + C_N - \dots$$

where:

N reference year; $Q_N^{\text{(norm)}}$ normalised electricity generated by all wind...

ANNEX III

Energy content of transport fuels

ANNEX IV

Certification of installers

The certification schemes or equivalent qualification schemes referred to in...

The certification or qualification process shall be transparent and clearly...

ANNEX V

Rules for calculating the greenhouse gas impact of biofuels, bioliquids and their fossil fuel comparators

- A. Typical and default values for biofuels if produced with no...
- B. Estimated typical and default values for future biofuels that were...
- C. Methodology
 - 1. Greenhouse gas emissions from the production and use of transport...

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2. Greenhouse gas emissions from fuels, E, shall be expressed in...
 3. By derogation from point 2, for transport fuels, values calculated...
 4. Greenhouse gas emission saving from biofuels and bioliquids shall be...
 5. The greenhouse gases taken into account for the purposes of...
 6. Emissions from the extraction or cultivation of raw materials, eec,...
 7. Annualised emissions from carbon stock changes caused by land-use change,...
 8. The bonus of 29 gCO₂eq/MJ shall be attributed if evidence...
 9. The categories referred to in point 8(b) are defined as...
 10. The Commission shall adopt, by 31 December 2009, guidelines for...
 11. Emissions from processing, ep, shall include emissions from the...
 12. Emissions from transport and distribution, etd, shall include emissions...
 13. Emissions from the fuel in use, eu, shall be...
 14. Emission saving from carbon capture and geological storage eccs, ...
 15. Emission saving from carbon capture and replacement, eccr, shall...
 16. Emission saving from excess electricity from cogeneration, eee, shall...
 17. Where a fuel production process produces, in combination, the fuel...
 18. For the purposes of the calculation referred to in point...
 19. For biofuels, for the purposes of the calculation referred to...
- D. Disaggregated default values for biofuels and bioliquids
Disaggregated default values for cultivation: 'eec' as defined in...
Disaggregated default values for processing (including excess electricity): 'ep'
-...
Disaggregated default values for transport and distribution: 'etd' as...
Total for cultivation, processing, transport and distribution
- E. Estimated disaggregated default values for future biofuels and bioliquids that...
Disaggregated default values for cultivation: 'eec' as defined in...
Disaggregated default values for processing (including excess electricity): 'ep'
-...
Disaggregated default values for transport and distribution: 'etd' as...
Total for cultivation, processing, transport and distribution

ANNEX VI

Minimum requirements for the harmonised template for national renewable energy action plans

1. Expected final energy consumption:
2. National sectoral 2020 targets and estimated shares of energy from...
3. Measures for achieving the targets:
4. Assessments:

ANNEX VII

Accounting of energy from heat pumps

The amount of aerothermal, geothermal or hydrothermal energy
captured by...

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$$\text{ERES} = \text{Qusable} * (1 - 1/\text{SPF})$$

where

Qusable = the estimated total usable heat delivered by heat...

By 1 January 2013, the Commission shall establish guidelines on...

ANNEX VIII

Part A. Provisional estimated indirect land-use change emissions from biofuel and bioliquid feedstocks (gCO₂eq /MJ)

Part B. Biofuels and bioliquids for which the estimated indirect land-use change emissions are considered to be zero

ANNEX IX

Part A. Feedstocks and fuels, the contribution of which towards...

Algae if cultivated on land in ponds or photobioreactors.

Biomass...

Part B. Feedstocks, the contribution of which towards the target...

Used cooking oil. Animal fats classified as categories 1 and...

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- (1) Opinion of 17 September 2008 (OJ C 77, 31.3.2009, p. 43).
- (2) OJ C 325, 19.12.2008, p. 12.
- (3) Opinion of the European Parliament of 17 December 2008 (not yet published in the Official Journal) and Council Decision of 6 April 2009.
- (4) OJ L 283, 27.10.2001, p. 33.
- (5) OJ L 123, 17.5.2003, p. 42.
- (6) OJ L 176, 15.7.2003, p. 37.
- (7) OJ L 350, 28.12.1998, p. 58.
- (8) OJ C 219 E, 28.8.2008, p. 82.
- (9) OJ L 1, 4.1.2003, p. 65.
- (10) OJ L 191, 22.7.2005, p. 29.
- (11) OJ L 114, 27.4.2006, p. 64.
- (12) OJ L 198, 20.7.2006, p. 18.
- (13) OJ L 204, 21.7.1998, p. 37.
- (14) OJ L 255, 30.9.2005, p. 22.
- (15) OJ L 52, 21.2.2004, p. 50.
- (16) OJ L 41, 14.2.2003, p. 26.
- (17) OJ L 184, 17.7.1999, p. 23.
- (18) OJ C 321, 31.12.2003, p. 1.