

Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC (Text with EEA relevance)

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ANNEX IGENERAL PRINCIPLES FOR THE CALCULATION  
OF ELECTRICITY FROM COGENERATION

## Part I

## General principles

## Part II

## Cogeneration technologies covered by this Directive

- (a) Combined cycle gas turbine with heat recovery
- (b) Steam back pressure turbine
- (c) Steam condensing extraction turbine
- (d) Gas turbine with heat recovery
- (e) Internal combustion engine
- (f) Microturbines
- (g) Stirling engines
- (h) Fuel cells
- (i) Steam engines
- (j) Organic Rankine cycles
- (k) Any other type of technology or combination thereof falling under...

## ANNEX II

### METHODOLOGY FOR DETERMINING THE EFFICIENCY OF THE COGENERATION PROCESS

Values used for calculation of efficiency of cogeneration and  
primary...

- (a) High-efficiency cogeneration
- (b) Calculation of primary energy savings
- (c) Calculations of energy savings using alternative calculation
- (d) Member States may use other reporting periods than one year...
- (e) For micro-cogeneration units the calculation of primary energy savings may...
- (f) Efficiency reference values for separate production of heat and electricity...

## ANNEX III

### ENERGY EFFICIENCY REQUIREMENTS FOR PURCHASING PRODUCTS, SERVICES AND BUILDINGS BY CENTRAL GOVERNMENT

Central governments that purchase products, services or  
buildings, insofar as...  
where a product is covered by a delegated act adopted...  
Compliance with these requirements shall be verified by means  
of...

## ANNEX IV

### ENERGY CONTENT OF SELECTED FUELS FOR END USE – CONVERSION...

## ANNEX V

Common methods and principles for calculating the impact of energy efficiency obligations  
schemes or other policy measures under Article 7(1), (2) and (9) and Article 20(6)

- 1. Methods for calculating energy savings for the purposes of Article...
- 2. In determining the energy saving for an energy efficiency measure...
- 3. In determining the energy saving from policy measures applied under...
- 4. Notification of methodology

## ANNEX VI

Minimum criteria for energy audits including those carried out as part of energy management systems

The energy audits referred to in Article 8 shall be...  
be based on up-to-date, measured, traceable operational data on energy...  
Energy audits shall allow detailed and validated calculations for the...  
The data used in energy audits shall be storable for...

## ANNEX VII

Minimum requirements for billing and billing information based on actual consumption

1. Minimum requirements for billing
  - 1.1. Billing based on actual consumption
  - 1.2. Minimum information contained in the bill
  - 1.3. Advice on energy efficiency accompanying bills and other feedback to...

## ANNEX VIII

Potential for efficiency in heating and cooling

1. The comprehensive assessment of national heating and cooling potentials referred...
2. To the extent appropriate, the comprehensive assessment may be made...

## ANNEX IX

### COST-BENEFIT ANALYSIS

#### Part 1

General principles of the cost-benefit analysis

#### Part 2

Principles for the purpose of Article 14(5) and (7)

## ANNEX X

Guarantee of origin for electricity produced from high-efficiency cogeneration

Member States shall take measures to ensure that: the guarantee...

## ANNEX XI

Energy efficiency criteria for energy network regulation and for electricity network tariffs

1. Network tariffs shall be cost-reflective of cost-savings in networks achieved...

2. Network regulation and tariffs shall not prevent network operators or...
3. Network or retail tariffs may support dynamic pricing for demand...

## ANNEX XII

### ENERGY EFFICIENCY REQUIREMENTS FOR TRANSMISSION SYSTEM OPERATORS AND DISTRIBUTION SYSTEM OPERATORS

Transmission system operators and distribution system operators shall:

set up and make public their standard rules relating to...

The standard rules referred to in point (a) shall be...

## ANNEX XIII

Minimum items to be included in energy performance contracts with the public sector or in the associated tender specifications

Clear and transparent list of the efficiency measures to be...

## ANNEX XIV

### GENERAL FRAMEWORK FOR REPORTING

#### Part 1

General framework for annual reports

#### Part 2

General framework for National Energy Efficiency Action Plans

## ANNEX XV

- (1) OJ C 24, 28.1.2012, p. 134.
- (2) OJ C 54, 23.2.2012, p. 49.
- (3) Position of the European Parliament of 11 September 2012 (not yet published in the Official Journal) and decision of the Council of 4 October 2012.
- (4) OJ L 114, 27.4.2006, p. 64.
- (5) OJ L 140, 5.6.2009, p. 136.
- (6) OJ L 52, 21.2.2004, p. 50.
- (7) OJ L 140, 5.6.2009, p. 16.
- (8) OJ L 153, 18.6.2010, p. 13.
- (9) OJ L 275, 25.10.2003, p. 32.
- (10) OJ L 211, 14.8.2009, p. 55.
- (11) OJ L 211, 14.8.2009, p. 94.
- (12) OJ L 334, 17.12.2010, p. 17.
- (13) OJ L 140, 5.6.2009, p. 114.
- (14) OJ L 211, 14.8.2009, p. 15.
- (15) OJ L 211, 14.8.2009, p. 36.
- (16) OJ L 1, 5.1.2010, p. 10.
- (17) OJ L 310, 9.11.2006, p. 15.
- (18) OJ L 285, 31.10.2009, p. 10.
- (19) OJ L 153, 18.6.2010, p. 1.
- (20) OJ L 55, 28.2.2011, p. 13.