



European
Commission

State of play – Energy Efficiency in Buildings (EED and EPBD)

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The legal framework of the EU energy efficiency policy



Energy Efficiency Directive 2012/27/EU

- OJ 14 November 2012
- In force since 4 December 2012
- Transposition deadline:
5 June 2014



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Contents

I Legislative acts

DIRECTIVES

- ★ 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 (*) 1
- ★ Directive 2012/29/EU of the European Parliament and of the Council of 25 October 2012 establishing minimum standards on the rights, support and protection of victims of crime, and replacing Council Framework Decision 2001/220/JHA 57
- ★ Directive 2012/30/EU of the European Parliament and of the Council of 25 October 2012 on coordination of safeguards which, for the protection of the interests of members and others,

http://ec.europa.eu/energy/efficiency/eed/eed_en.htm

Energy Efficiency Directive (EED) Directive 2012/27/EU - buildings

→ Building renovation

→ by 04/2014: MS to make **long-term strategies** for mobilizing investments

→ Exemplary role of the public sector

→ MS must **renovate 3% (by floor area)** of their **central government buildings** per year or adopt measures to achieve equivalent energy savings in these buildings, voluntary for lower administrative levels

→ Central government – **public procurement** limited to products, services and buildings with high energy efficiency performance

→ Energy efficiency obligation schemes

→ Energy audits

→ Accurate and frequent individual metering / billing

→ Energy Performance contracting

EED Key provisions – more detail



Articles 3 & 7: targets and energy efficiency obligations (or alternatives)

All Member States have set national indicative energy efficiency targets for 2020:

http://ec.europa.eu/energy/efficiency/eed/reporting_en.htm

In December 2013 Member States notified to the Commission their plans on how to achieve those targets:

- **energy efficiency obligation schemes (4 MS only EEOS)**
- **alternative measures - building renovation, financial incentives, information campaigns etc**
- **national energy efficiency fund**

EED Key provisions – more detail



Article 8: energy audits

Big enterprises must have an energy audit by 5 December 2015 and then at least every 4 years.

SMEs should be encouraged to have energy audits.

Must be done in an independent manner by in-house experts of accredited energy auditors.

Definition of SME: less than 250 employees and an annual turnover not exceeding EUR 50 million, and/or an annual balance sheet total not exceeding EUR 43 million.

[check whether subsidiaries are linked or autonomous]

EED Key provisions more detail

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Articles 9-11: metering & billing

Final customers to be provided with accurate competitively priced meters reflecting actual consumption and time of use:

Always when technically feasible, financially reasonable and proportionate to potential savings.

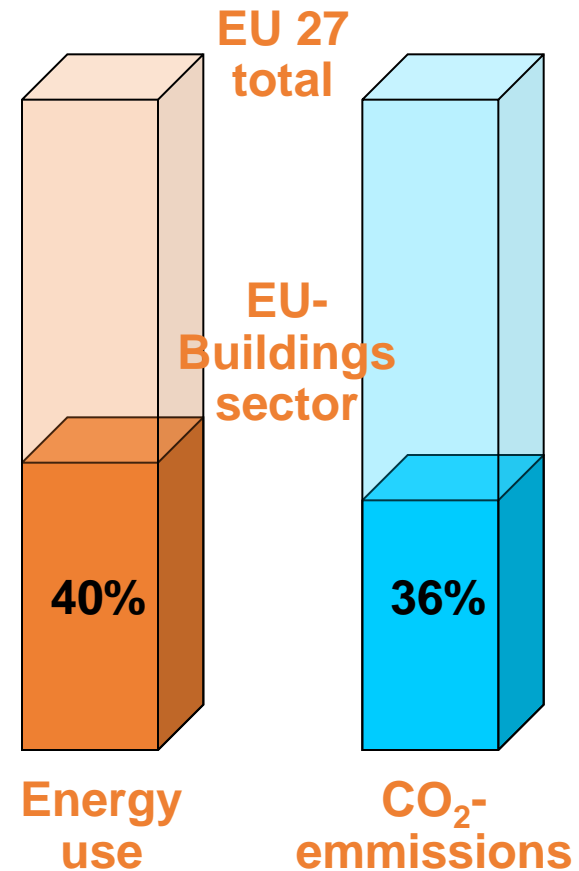
Always when a new connection is made in a new building or a building undergoes major renovations, as set out in Directive 2010/31/EU.

Accurate billing information based on consumption at least twice a year by 31 December 2014, more frequently if requested.

Energy Performance of Buildings

Recast Directive 2010/31/EU same principles as Directive 2002/91/EC:

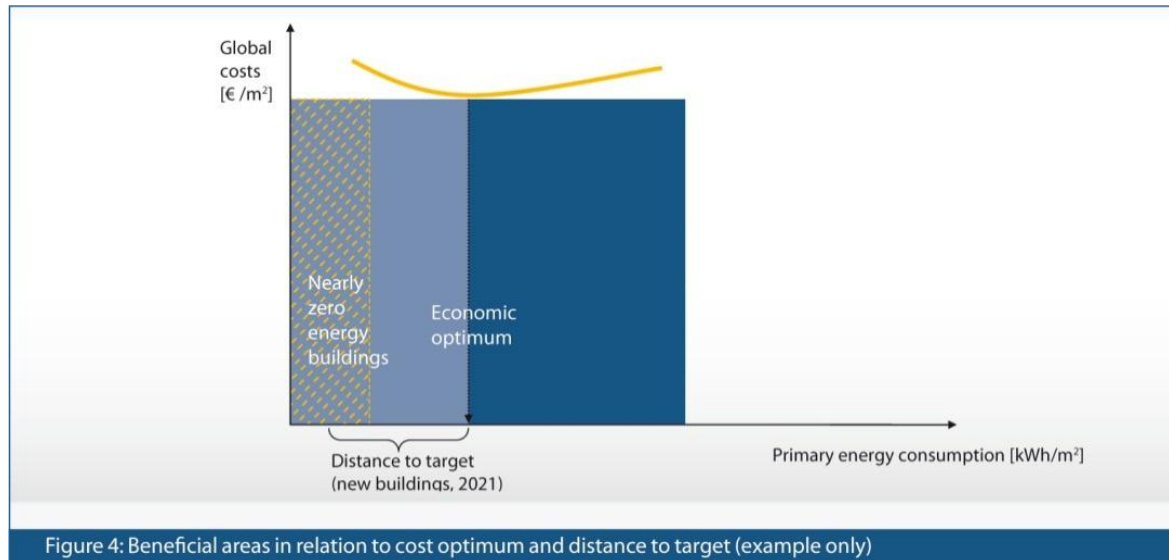
- **Minimum energy performance requirements**
- **Energy Performance Certificates**
- **Inspection of heating and cooling systems**
- **Independency of experts**
- **Exemplary role of public sector**



State of play infringements (EPBD)

- work in progress

Cost optimal methodology



- Aimed at ensuring high ambition level in MS
- Reports from Member States due by March 2013
- Current state: 23 reports received so far
- Commission will check and report

Calculation methodologies for the energy performance of buildings

→ **Standardisation**

- **Overarching standard EN 15603 close to adoption**
- **COM supports CEN's initiative to define a CEN preferred option**
 - **support the voluntary certification scheme for non-residential buildings**
 - **exemplify the framework for national annexes**

→ **Technical assessment of national/regional calculation methodologies**



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