



Clean Energy for all Europeans: with a focus on buildings and the EPBD

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Clean Energy for all Europeans Package



Energy Efficiency Directive

Energy Performance of Buildings Directive

A communication on accelerating clean energy in buildings

Ecodesign working plan 2018-2019

Renewable Energy Directive

Electricity market and consumers: Electricity Directive, Electricity Regulation and ACER Regulation, and a new Risk Preparedness Regulation

Governance of the Energy Union Regulation

BUILDINGS

BPIE assessment

New

- Smartness indicator
- Provisions to protect vulnerable consumers
- Measures to leverage financing

But the proposal fails to trigger more and deeper renovation activities

Missing

- 2030/2050 EU vision for the buildings
- Requirements for better energy performance of public and commercial buildings
- Any changes to EPC towards personalised renovation advice

What has changed?

RENOVATION STRATEGIES

- Continuation of national renovation strategies:
 - long term 2050 goal
 - specific milestones for 2030
- National renovation strategies now in EPBD
- Mechanisms to support investment in national renovation strategies

What has changed?

VULNERABLE CONSUMERS

- Measures to alleviate energy poverty in national renovation strategies
- Protection of vulnerable consumers from price increases

FUTURE PROOF BUILDINGS

- Smartness indicator
- Electromobility infrastructure requirements
- Building automation and energy monitoring system requirements as an alternative to inspections
- Consumer participation in demand response

What has changed?

ENERGY PERFORMANCE CERTIFICATES (EPCs)

- Contents list for EPCs
- Requirements to collect energy consumption data for public buildings
- National databases to collect EPC information
- Aggregated anonymised data to be available on request
- Info on building technical system passed to building owner and included in national EPC database
- Linking financial incentives to EPCs – comparison before/after renovation
- Numeric indicator of primary energy use in kWh/(m².y)

Expected impact of revised EPBD

Table 8: Comparison of policy options

	Reference: No-change option	Option I: Enhanced implementation and further guidance	Option II: Enhanced implementation, including targeted amendments for strengthening of current provisions	Option III: Enhanced implementation towards further harmonization and higher ambition
Additional final energy savings in 2030	-	2 Mtoe	28 Mtoe	72 Mtoe
Additional associated construction activity in 2030	-	€2.15bn	€47.6bn (€1 – €4 bn mandated by the Option)	€101bn (€52 – €59 bn mandated by the Option)
Economic growth, incl. SMEs in 2030	-	€2.4bn - €10.1bn	€103.8bn - €143.8bn	€197bn - €280bn
Jobs retained/ created	-	9k	220k	500k
Energy poverty alleviation	-	20k – 120k households	515k - 3.2M households	1.5M to 8.3M households

What is missing?

LONG-TERM VISION AND STIMULATING DEEP RENOVATION

- A concrete EU vision for buildings in 2050
- Definition of decarbonised building stock
- Long-term renovation targets
- Minimum energy performance levels for commercial and public buildings and requirements to renovate

What is missing?

NATIONAL RENOVATION STRATEGIES

- “Trigger points” to capitalise on renovation opportunities
- Clear guidance on national renovation strategies
- Methodology how to measure progress in implementing renovation strategies
- Requirements to regularly update national renovation strategies

What is missing?

REFORMING THE COST-OPTIMAL METHODOLOGY

- Inclusion of the multiple benefits
- Link between minimum renewable energy requirements and cost-optimal calculations
- Ensuring demand is reduced first (energy efficiency first)

What is missing?

PROTECTING VULNERABLE CONSUMERS

- Tailored policies promoting deep renovation of homes as a long-term solution

ENSURING FUTURE PROOF BUILDINGS

- Energy efficiency first within the smartness indicator
- Reflection of smart buildings in the definition of nearly zero energy buildings
- Provisions related to promoting and use of energy storage

What is missing?

ENERGY PERFORMANCE CERTIFICATES (EPCs)

- EPCs tailored to advise owners on how to properly plan, finance and implement deep renovation (individual building renovation passport)
- Harmonised EU requirements for qualified experts and certifiers
- Regular quality checks

FINANCING ENERGY PERFORMANCE IMPROVEMENTS

- Long-term financing framework to meet the 2030 objectives (public and private financing + suite of instruments)
- Timeline of measures under the Accelerating clean energy in buildings Communication

The path not chosen



The path not chosen

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Long way ahead



European Council

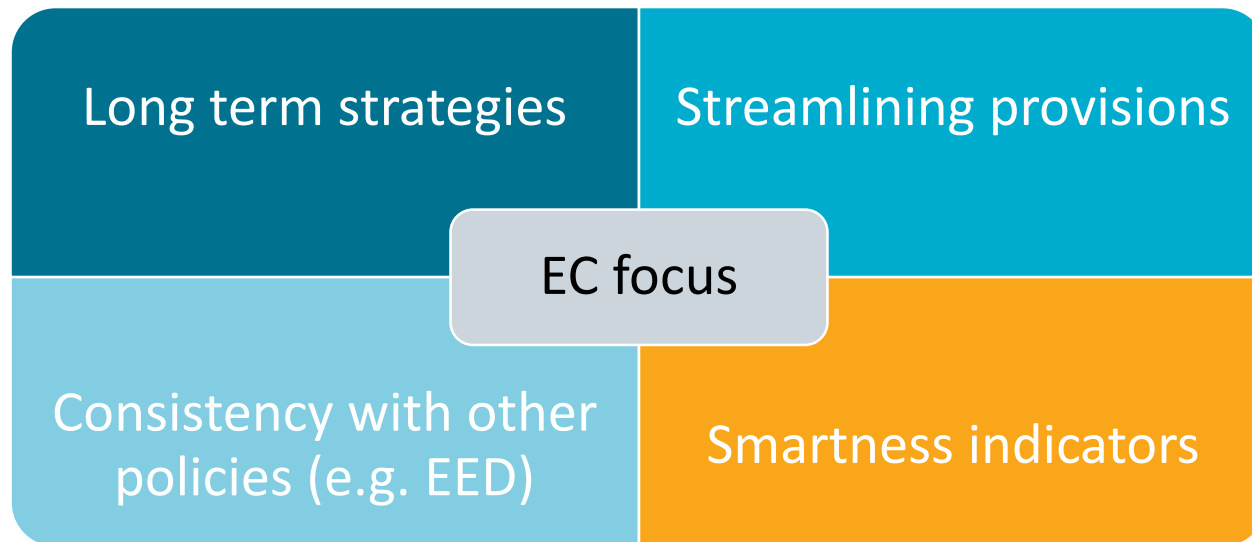


Thank you

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EPBD

- **Targeted** changes
- Few articles have been modified (7 articles + Annex)



The path not chosen

A vertical sequence of four horizontal bars, each containing a text box. The bars are connected by a vertical line on the left side, which is terminated at the top and bottom by circular nodes. The bars are colored from top to bottom: dark teal, medium teal, light blue, and orange. The text boxes are white with rounded corners and contain the following text:

Direct market action: Standards for buildings sold or rented

New targeted ambition for new buildings in 2030, beyond cost-optimality and minimum requirements for the indoor environment

Additional sustainability co-benefits in the cost-optimal calculation framework

Further harmonisation of the EPCs

The diagram illustrates a path that was not chosen, with the text boxes representing the alternative actions or standards that were not implemented.

New targeted ambition for new buildings in 2030, beyond cost-optimality and minimum requirements for the indoor environment

Additional sustainability co-benefits in the cost-optimal calculation framework

Further harmonisation of the EPCs



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