

Revision of the Energy Performance of Buildings Directive

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CLEAN ENERGY FOR ALL EUROPEANS

Clean Energy for All Europeans Package

THE RIGHT REGULATORY FRAMEWORK FOR POST – 2020

Energy Union Governance

Energy Efficiency
(Energy Efficiency Directive, European Performance of Buildings Directive)

Renewables
(Revised Renewable Energy Directive)

New Electricity Market Design
(Including Risk Preparedness)

Energy prices and costs report

Energy Efficiency Directive

- Binding 30% energy efficiency target for 2030;

Ecodesign Working Plan 2016-2019

- List of new product groups;
- Contribution to circular economy objectives;

Energy Performance of Buildings

- Supportive of renovation;
- Smarter – ICT, smart buildings;
- Simpler;

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EPBD review: focus on buildings – for good reasons

FACTS

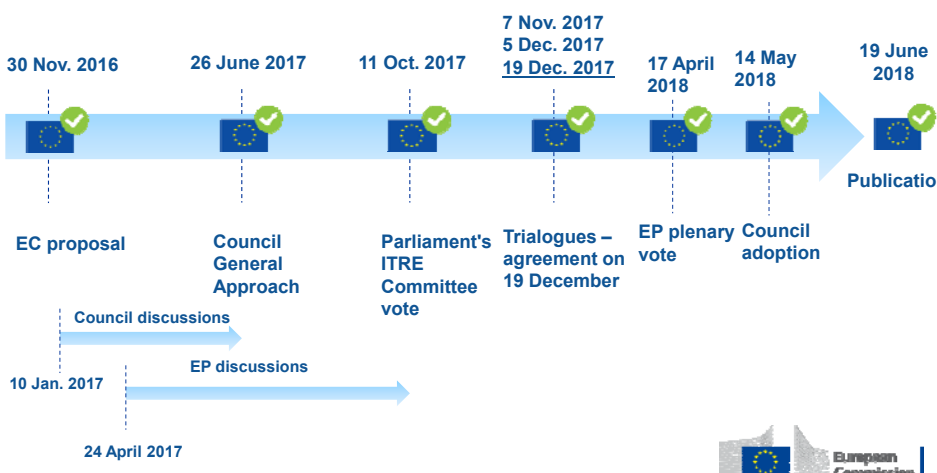
-  75% of the housing stock is energy inefficient, missing the benefits of increased renovation.
-  Renovation rates are too low and renovation depth is too shallow.
-  Need to accelerate and finance building renovation investments.
-  Tapping the potential of smart building technologies.



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EPBD review: the process


FROM EC PROPOSAL TO PUBLICATION



| Date | Event |
|---------------|---------------------------------------|
| 30 Nov. 2016 | EC proposal |
| 26 June 2017 | Council General Approach |
| 11 Oct. 2017 | Parliament's ITRE Committee vote |
| 7 Nov. 2017 | Trialogues – agreement on 19 December |
| 5 Dec. 2017 | EP plenary vote |
| 19 Dec. 2017 | Council adoption |
| 17 April 2018 | |
| 14 May 2018 | |
| 19 June 2018 | Publication |

Additional milestones:

- Council discussions: 10 Jan. 2017 to 24 April 2017
- EP discussions: 10 Jan. 2017 to 24 April 2017



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Main outcomes of the revision

A STRENGTHENED DIRECTIVE

- ✓ Stronger **long term renovation strategies** for Member States, aiming at decarbonisation by 2050 and with a solid financial component.
- ✓ A **Smart Readiness Indicator** for buildings.
- ✓ Targeted support to **e-mobility** infrastructure deployment in buildings' car parks.
- ✓ Enhanced **transparency** of national building energy performance calculation methodologies.
- ✓ Reinforcement of **building automation**: additional requirements on room temperature level controls, building automation and controls and enhanced consideration of typical operating conditions.



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Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU

- ✓ **Long term building renovation strategies (Article 2a)**
- ✓ Stronger reference to **energy poverty** and **solid financial component** (effective use of public funding; aggregation; de-risking).
- ✓ Requirement for Member States to:
 - Establish comprehensive strategies aiming at a highly efficient and **decarbonised building stock** by **2050** and at a cost-effective transformation of existing buildings into **nearly zero-energy buildings**.
 - Set up a roadmap with measures, **measurable** progress indicators and indicative milestones for **2030, 2040** and **2050**.
 - Carry out a **public consultation** on the strategies prior to submission, and consultation in an inclusive way during implementation.



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Focus on electro-mobility

AN IMPORTANT CONTRIBUTION TO TRANSPORT DECARBONIZATION


- ✓ **Additional provisions to support the deployment of the EU infrastructure for electro-mobility (Article 8)**
- ✓ By **2025**, Member States will set **requirements** for a **minimum number of charging points** in **all** non-residential buildings with more than 20 parking spaces.
- ✓ **Simplification** of the deployment of recharging points (including - permitting procedure).
- ✓ Requirement for the installation of ducting infrastructure in new and major renovated buildings with more than 10 parking spaces
- ✓ Requirement of at least 1 charging point per building for new and major renovated non-residential buildings with more than 10 parking spaces
- ✓ Targeted **exemptions** (e.g. for SMEs).



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Focus on inspections & building automation

A GREATER ROLE FOR AUTOMATION

- 
 ✓ **Inspections on heating & air-conditioning systems are updated (Articles 14 and 15) – new provisions on self-regulating devices (Article 8(1))**
- ✓ **Thresholds** for inspections are set up at **70 kW** for both heating and air-conditioning systems.
- ✓ **Alternative measures** to mandatory inspections based on advice are kept, with reporting to the Commission.
- ✓ installation of **building automation and control systems** in large non-residential buildings by **2025**
- ✓ Additional requirements on the installation of **self-regulating devices** for room temperature level control in new buildings or when heat generators are replaced.



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Smart Readiness Indicator for buildings

BUILDING-LEVEL SMARTNESS

- ✓ The **SRI** will be an optional common Union scheme for rating the **smart readiness** of buildings.

Smart Readiness Indicator - SRI

Measure the technological readiness of your building



- ✓ The SRI will be established through two legal acts: delegated act for the **definition** and **calculation methodology**; implementing act for the technical modalities of **implementation**. By 31 Dec. 2019.
- ✓ **Motivation:** recognition of progress towards smart building systems and their added value for building users, energy consumers and energy grids.



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Smartness in buildings - a strategy for digitalisation

VISION

Smartness in buildings is an essential element in a decarbonised, renewable-intensive and more dynamic energy system in Europe with the aim of reaching the 2030 EU targets on energy efficiency and renewable energy, and of achieving a decarbonized EU building stock by 2050.


Objectives:

1. Achieve high energy efficiency by optimal operation;
2. Strengthen the role of demand side flexibility;
3. Ensure that the building user's needs are covered.

3 key instruments:

1. Smart Readiness Indicator for buildings under the revised EPBD;
2. Building automation and control systems (BACS) under Ecodesign and/or Energy Labelling regulations;
3. Energy smart appliances under Ecodesign and/or Energy Labelling regulations.





European Commission

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Thank you!

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Energy Efficiency Unit
DG ENER, European Commission

<https://ec.europa.eu/energy/en/news/commission-proposes-new-rules-consumer-centred-clean-energy-transition>

11 #EnergyUnion