Proposed Amendments EPBD

Eurelectric recommendations

October 2022

Eurelectric represents the interests of the electricity industry in Europe. Our work covers all major issues affecting our sector. Our members represent the electricity industry in over 30 European countries.

We cover the entire industry from electricity generation and markets to distribution networks and customer issues. We also have affiliates active on several other continents and business associates from a wide variety of sectors with a direct interest in the electricity industry.

We stand for

The vision of the European power sector is to enable and sustain:
- A vibrant competitive European economy, reliably powered by clean, carbon-neutral energy
- A smart, energy efficient and truly sustainable society for all citizens of Europe

We are committed to lead a cost-effective energy transition by:

investing in clean power generation and transition-enabling solutions, to reduce emissions and actively pursue efforts to become carbon-neutral well before mid-century, taking into account different starting points and commercial availability of key transition technologies;

transforming the energy system to make it more responsive, resilient and efficient. This includes increased use of renewable energy, digitalisation, demand side response and reinforcement of grids so they can function as platforms and enablers for customers, cities and communities;

accelerating the energy transition in other economic sectors by offering competitive electricity as a transformation tool for transport, heating and industry;

embedding sustainability in all parts of our value chain and take measures to support the transformation of existing assets towards a zero carbon society;

innovating to discover the cutting-edge business models and develop the breakthrough technologies that are indispensable to allow our industry to lead this transition.

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Electrification & Sustainability Committee
Customers & Retail Services Committee
Distribution & Market Facilitation Committee
WG Energy Efficiency
WG E-Mobility
WG Regulation & Network Customers
WG Technology
WG Customers & New Services
WG RES & Storage

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KEY PROVISIONS

- Solar energy in buildings (Article 9A)
- Pre-cabling for EVs (Article 12 and 2)
- Roadmaps (Amendments for Article 3)

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1. Solar energy in Buildings (Article 9a)

Item	Eurelectric proposal
Commission Article 9a Parliament – Amendment 966 Article 9a.1 Council Article 9a	Member States shall ensure that **by 1 January 2027** all new buildings are designed to optimise their solar energy generation potential on the basis of the solar irradiance of the site and enable the cost-effective installation of solar technologies. <u>Comment:</u> *Eurelectric supports the date of implementation proposed as part of the **EPP amendment 966**.*
Item	**Eurelectric proposal**
Amendment by the Rapporteur and the EPP Of Article 9a.2	Member States shall ensure that all existing buildings undergoing major renovation, renovation of the roof, or replacement of technical building systems are combined with the deployment of suitable solar energy installations. <u>Comment:</u> *Eurelectric agrees with the Rapporteur's draft report and the amendment 966 of the EPP.*
Item	**Eurelectric proposal**
Commission Article 9a Parliament Article 9a.3 Council Minor wording adjustments of Article 9a	Member States shall ensure that suitable solar energy installations are deployed: (a) by 31 December 2026, on all new public and commercial buildings with useful ground floor area larger than 250 square meters; (b) by 31 December 2027, on all existing public and commercial buildings with useful ground floor area larger than 250 square meters; and (c) by 31 December 2029, on all new residential buildings. (d) **by 31 December 2033**, on all existing buildings.

	In accordance with an assessment of the technical and economic feasibility of solar energy installations and the characteristics of the buildings covered by this obligation, Member States shall define, and make publicly available : - criteria at national level for the practical implementation of these obligations - **possible exemptions for specific types of buildings** as well as for potential physical constraints exerted on the distribution grid which would undermine secure and reliable delivery of electricity Comment: *Eurelectric fully supports targets set in the Fit for 55 and follows the EC's proposal regarding deadlines, provided that the actual capacities of the distribution grid be considered. A pragmatic approach is indispensable, therefore realistic exemptions are suggested.*
Item	Eurelectric proposal
Amendment 966 ITRE by the EPP of Article 9a.4	Member States shall establish a pathway with numerical targets for their national contribution to the deployment of solar energy and heat pumps in buildings in their national building renovation plans in accordance with Article 3. Member States **shall carry out an assessment of needed grid capacity** for the deployment of solar power in buildings deployment and to identify remaining barriers. A proper regulatory framework should be set both at European and national levels to encourage investments in distribution grids to support the deployment of solar power. Comment: *Eurelectric supports the amendment 966 (EPP) while highlighting the investment required to reach the targets aforementioned (Eurelectric additional proposal in green).*
Item	Eurelectric proposal
Amendment 966 ITRE by the EPP of Article 9a.5	Member States shall ensure that their regulatory frameworks provide the necessary administrative, technical and financial capacities and incentives for the deployment of solar energy in buildings, including in combination with technical building systems such as the electrical installation, domestic batteries or heat pumps for self consumption. Member States shall ensure that representatives of national regulatory authorities, distribution system operators, renewable energy communities, consumer organisations storage providers and other stakeholders assess the need for necessary additional measures with regard

	to the distribution system to achieve the objectives of this Article **and conduct an assessment of needed grid capacity. This shall include the required connection and procurement of flexible distributed energy generation in line with the provisions of the Regulation (EU) 2019/9431a and the Directive (EU) 2019/944 1b, in particular considering a necessary level-playing field and fair remuneration for active customers and energy communities.** *Comment:* *Eurelectric supports the amendment n°966 (EPP).*

2. Pre-cabling for EVs (Article 12)

Item	Eurelectric amendment proposition
Commission and Council, Art 12.1.b	With regard to new non-residential buildings **with more than five car parking spaces** and non-residential buildings undergoing major renovation with more than **five** car parking spaces, Member States shall ensure: (b) the installation of pre-cabling for every car parking space to enable the installation at a later stage of recharging points for electric vehicles; Comment: *Eurelectric supports the EC's proposal.*
Commission and Council, Art 12.1.c	Member States shall ensure that the pre- cabling, combined with smart charging functionalities, enable a smart and efficient use of recharging points on all parking spaces, while taking into account that the efficient use of simultaneous charging does not involve all charging points operating at full power. Comment: *Having all recharging points capable of smart charging and/or bidirectional charging is necessary for a smart, economically and environmentally optimised mobility. Eurelectric supports pre-cabling operations that follow this principle.* *On the contrary, requiring that the pre-cabling be dimensioned so as to enable the "simultaneous use" (cf EC and Council propositions) of all recharging points contradicts the wider support for smart charging in European legislative initiatives,*

	including AFIR and RED. Requiring a simultaneous use of all recharging points at full power at the same time is a neither smart nor efficient way to approach infrastructure for sustainable mobility. Such provision in EPBD is not coherent with other measures of the Fit for 55 package and would be costly. Eurelectric insists on the necessity to amend the 12.1.c provision as in the above.
Item	Eurelectric amendment proposition
For Commission Council and ITRE Committee, Art 12.2	In case of buildings owned or occupied by public authorities bodies, Member States shall ensure pre-cabling for at least one in two parking spaces by 1 January 2033. Comment: *Eurelectric supports the version of the Commission and the Council*
Item	Eurelectric amendment proposition
Commission and Council, Art 12.4.2	Member States shall ensure that the pre- cabling, combined with smart charging functionalities, enable a smart and efficient use of recharging points on all parking spaces, while taking into account that the efficient use of simultaneous charging does not involve all charging points operating at full power. Comment: *Requiring that the pre-cabling is dimensioned so as to enable the simultaneous use of all recharging points contradicts the wider support for smart charging in European legislative initiatives, including AFIR and RED. Requiring a simultaneous use of all recharging points at full power at the same time would neither be a smart nor efficient way to approach infrastructure for sustainable mobility. Such provision in EPBD is not coherent with other measures of the Fit for 55 package and would be costly. Eurelectric supports the amendment above.*
Item	Eurelectric amendment proposition
Commission and Council, Art 12.5	Member States may decide not to apply paragraphs 1, 2 and 4 to specific categories of buildings where the pre-cabling required would ~~rely on micro isolated systems or the buildings are situated in the outermost regions within the meaning of Article 349 TFEU, if this would~~ lead to substantial problems for the operation of the local energy system and would endanger the stability of the local grid. In this case, the regulatory authority shall

	conduct an assessment with relevant stakeholders, including distribution system operators, e-mobility operators, flexibility aggregators and local authorities, to determine efficient and technical appropriate measures to ~~whether the installation of an energy storage facility would~~ mitigate potential substantial problems to the operation and stability of the local grid. *Comment:* *Eurelectric supports amendment n° 1114 by Renew. Based on this amendment, Eurelectric suggests extending the exceptions to all cases where the grid is endangered, and consider all situations instead of limiting the exceptions to energy storage facilities*
Item	Eurelectric amendment proposition
For Commission Parliament and Council, Art 12.6	Member States shall ensure that the recharging points referred to in paragraphs 1, 2 and 4 are capable of smart charging and, where appropriate, bidirectional charging, and that they are operated based on non-proprietary and non-discriminatory communication protocols and standards, in an interoperable manner, and in compliance with any legal standards and protocols in the delegated acts adopted pursuant to Article 19(6) and Article 19(7) of Regulation (EU) .../... [AFIR]. *Comment:* *Eurelectric supports the EC's proposal and the TRAN Committee compromise amendment.*
Item	Eurelectric amendment proposition
Commission Parliament and Council, Art 12.9	Member States shall ensure the coherence of policies for buildings, **soft** and green mobility, urban planning, and network development plans. *Comment:* *Policies on buildings, **soft** and green mobility, and urban planning shall be developed in coherence with Network development plans in order to ensure that the grid will not jeopardize these policies. Grid stability and performance are key enablers for the effective realisation of massive electrification.* *Eurelectric suggests adding the reference to DSO network development plan, in coherence with other forward planning by local and national authorities.*

3. Pre-cabling for EVs (Article 2):

Item	Eurelectric amendment proposition
Proposed definition for pre-cabling: Article 2-58	'pre-cabling' means the measures that are necessary to enable the installation of electric vehicle recharging points: the technical equipment at a later date (including cable routes, technical sheaths) as well as the electrical pre- equipment (switchboard, horizontal electrical column). *Comment:* *Eurelectric suggests introduction of this definition to clarify what EPBD expects from stakeholders. "Pre-cabling" notion is used several times in the directive and is at the core of the electrification provisions.*

4. Roadmaps

Item	Eurelectric amendment proposition
Article 3.1.1.d a Article 3.1.1.d c	Each Member State shall establish a long-term renovation strategy national building renovation plan to ensure the renovation of the national stock of residential and non-residential buildings, oth public and private, into a highly energy efficient and decarbonised building stock by 2050, with the objective to transform existing buildings into zero-emission buildings. Each building renovation plan shall encompass: (...) (d new a) minimum requirements for the electric grids in order to ensure the effectiveness and the capacity for efficiently implementing building renovation measures; (d new c) minimum requirement for electrical grids in order to ensure the effectiveness and the capacity for efficiency implementing building renovation measures. *Comment:* *Eurelectric supports the two amendments n°676 (S&D) and n°679 (EPP).*

5. Definition of zero-emission building (art. 2.2)

Item	Eurelectric amendment proposition
Amendment by the Parliament Article 2.2	'zero-emission building' means a building with a very high energy performance, as determined in accordance with Annex I, where the very low amount of energy still required is fully covered by energy from renewable sources generated on-site, *covered by decarbonized and renewable energy from the grid, from* a renewable energy community within the meaning of Directive (EU) 2018/2001 [amended RED] or from a district heating and cooling system, in accordance with the requirements set out in Annex III; *Comment:* *The definition of a zero-emission building must integrate renewable and decarbonised energy provided by the grid as one of the ways to cover the energy required. The proposal* *of the European Commission treats energy from the grid as a second option, to be used only when the other solutions are not technically feasible.* *In light of the EU ambitions for sector integration to break silos, the advantages of grid connection must not be ignored.* *The distribution network can indeed provide those buildings with renewable and decarbonised electricity supply to achieve Europe's net-zero objectives.* *This modification would also clarify that buildings must remain connected to the grid for obvious technical and security reasons, as well as to respect consumers' rights to choose* *and switch energy supplier.*

Eurelectric pursues in all its activities the application of the following sustainable development values:

Economic Development

- Growth, added-value, efficiency

Environmental Leadership

- Commitment, innovation, pro-activeness

Social Responsibility

- Transparency, ethics, accountability

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