

## Luxembourg electricity policy

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Luxembourg's energy policy aims to respond to climate and environmental challenges and to guarantee the country's security of supply. Luxembourg complies with the climate ambition set by the international community through the Paris Agreement. In order to achieve this objective, it is imperative to aim for and reach the objectives of zero emissions by 2050 and the transition to 100% renewable energy.

The Integrated National Energy and Climate Plan (PNEC, Plan national int?gr? en mati?re d'?nergie et de climat) provides the basis for Luxembourg's climate and energy policy. It describes the policies and measures to achieve the ambitious national targets for the reduction of greenhouse gas emissions (-55%), renewable energies (25%) and energy efficiency (from 40 to 44%) by 2030. It constitutes the roadmap that will be put into practice through the adoption of regulations, programmes and projects in the specific areas between 2020 and 2030.

The main pillars are the massive development of renewable energies, their integration into the energy network in particular through the development of decentralised energy storage, intelligent energy networks that are digital and therefore much more efficient, the use of more sustainable means of transport, an intelligent building stock and a reduction in the grey energy contained in stocks and flows of materials.

Currently, energy is considered too cheap to drive behaviour towards more energy efficiency, e-mobility and fuel switching.

Scenarios should include expectations for regional renewable energy deployment, for the different end-use sectors, and for centralised and decentralised options.

Establish rules to evaluate alternatives to grid extension, and consider whether it would be necessary to establish rules for congestion management and curtailment compensation in relation to variable renewable energy.

This will support the active participation of consumers in the electricity and natural gas markets, facilitate new service providers, and enhance security of supply.

Consider further incremental increases that support the achievement of greenhouse gas emission reduction targets.

Formulate a set of coherent measures to achieve a sustained reduction in fuel demand.



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In the electricity sector, proper maintenance and development of the electricity market in Luxembourg and beyond will therefore be ensured. Because of its size and characteristics, interconnections with neighbouring countries are essential and will continue to be supported by a joint commitment at European and regional level. In fact, the interconnected electricity transmission network allows for the maintenance and even increase of the country's security of supply and guarantees optimal integration into the European energy market.

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