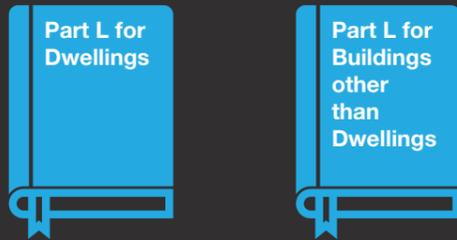


# Building Regulations Part L 2017 | NZEB - Nearly Zero Energy Buildings

## What is Part L?

The Irish Building Regulations Part L regulates the use of energy and carbon for buildings. The regulations cover new buildings as well as major renovations. There are two Part L documents:



Both documents have been updated in 2017 to implement the European Energy Performance of Buildings Directive (EPBD). This directive introduces the requirements for Nearly Zero Energy Buildings.

## What is a Nearly Zero Energy Building?

*“...a building that has a very high energy performance, as determined in accordance with Annex I. The nearly zero or very low amount of energy required should be covered to a very significant extent by energy from renewable sources, including energy from renewable sources produced onsite or nearby”*<sup>1</sup>

## Does this apply to your project?

The requirements for Dwellings apply to all projects, there is no transitional arrangement in place.

For Buildings other than Dwellings, a transitional arrangement has been put in place. Two key dates need to be considered:

### 1 Planning Application



### 2 Substantial completion of works (structure of the external walls has been erected)



Part L 2008 may continue to be used in the case of buildings:

- where the work, material alteration or the change of use commences or takes place, as the case may be, on or before 31st December 2018;



**or**

- where planning approval or permission for buildings has been applied for on or before 31st December 2018, and substantial work has been completed by 1st January 2020.



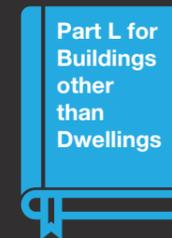
## What are the key changes??



Increased requirements in energy efficiency and carbon reduction.  
Unchanged requirement for renewable energy contribution.

**70%**  
improvement energy performance compared to Part L 2011.

**65%**  
improvement carbon reduction compared to Part L 2011.



Increased requirements for energy efficiency and carbon reduction.

**50-60%\***  
improvement energy performance compared to Part L 2008.

New requirement for renewable energy contribution of

**10-20%**  
(dependent on the overall energy and carbon efficiency).

\*For a typical non-domestic air-conditioned building, these energy and carbon savings can realise an A3 BER.

## What are the renewable energy options?



PV



Solar Thermal



Wind



Combined Heat and Power (CHP)



Biogas



Biomass



Heat Pumps

<sup>1</sup> European Energy Performance and Buildings Directive