



LPG the simple way to comply
with Part L of the Irish Building
Regulations 2011



New Builds – Part L
Building Regulations

Confused about Part L building regulations?

Let Flogas and NEA (National Energy Assessors) take care of compliance, installation and supply.

Flogas has partnered with NEA (National Energy Assessors) the largest team of qualified BER assessors in Ireland with countrywide coverage. Prospective Flogas customers will benefit from a special rate on any of NEA's extensive services which include Part L compliance consultations, PART L compliance reports using DEAP software and formal signoffs of compliance. We would be happy to put you in touch with your nearest NEA assessor.



Part L Overview

Part L of the Irish Building Regulations 2011 relates to the conservation of fuel and energy in homes. The building regulations state that a building shall be designed and constructed to ensure that the energy performance of the building limits the amount of energy required for the operation of the building and the amount of carbon dioxide (CO₂) emissions associated with this energy use. In addition to this a dwelling should also incorporate some type of renewable energy sources.

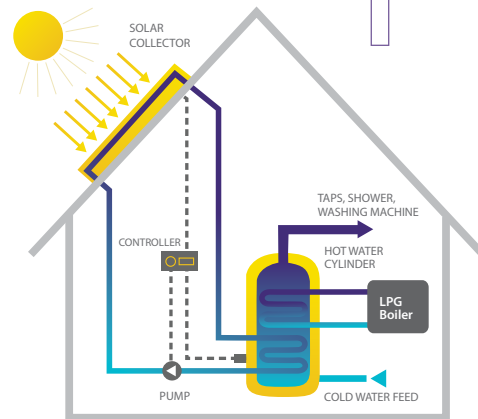
The BER assessment procedure referred to as DEAP (Dwelling Energy Assessment Procedure) is the only method that can verify whether a home meets the renewable energy source requirements. This assessment can be completed by your local NEA assessor at a preferential rate for new Flogas customers.

LPG (Liquefied Petroleum Gas) is the ideal option for the basis of a heating system as it can be used in conjunction with renewables to achieve an A3 Building Energy Rating (BER) and also be compliant with Part L. Flogas has various LPG solutions for dwellings that comply with Part L.

Options Available

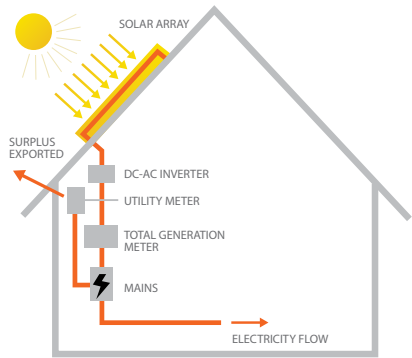
Solar and LPG:

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A dwelling with sufficient insulation and is less than 200m² in some instances can comply with Part L by incorporating solar thermal. If a dwelling does not have sufficient insulation or is larger in size the difficulty of compliance increases and most often requires a back-up system as solar alone will struggle to meet the hot water demands in a typical Irish family home. LPG is the perfect solution for the need of a back-up system with solar. In some cases this can be compliant with Part L Building Regulations but varies from home to home.

Photovoltaic (PV) and LPG:



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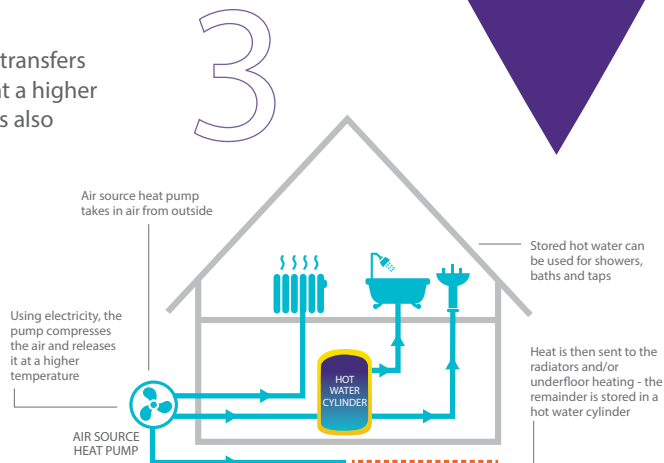
The panels produce direct current (DC) which is converted to alternating current (AC) by an inverter so it can be used by appliances in the home.

A great option for compliance with Part L of the Building Regulations is the installation of Solar Photovoltaic (PV). In general, larger dwellings that would not achieve the sufficient kWh/m²/yr on Solar Thermal would opt for the Solar PV option as an alternative. With Solar PV only 4kWh/m²/yr of electricity energy is required.

PV can be combined with a storage combi boiler to ensure the home can meet high hot water demands. The combi boiler can be powered by LPG and provide high performance central heating and instant unlimited amounts of hot water for your home in addition to complying with Part L of the Building Regulations.

Heat Pumps and LPG:

An air source heat pump is a system that transfers heat from the outside air and releases it at a higher temperature into your home. Heat pumps also have some limitations where they have been known to have lower efficiency at low temperatures. A simple solution to this problem is to install a back-up system like a hybrid system with LPG which includes a heat pump, a boiler and a sophisticated control system to cater for all central heating and hot water demands.



PART L PACKAGE FOR NEW BUILDS

Part L compliance
CONSULTATION WITH NEA

PART L COMPLIANCE REPORTS
and full spec reports at preferential rate
supplied by NEA

Assistance from NEA in
SEAI GRANT APPLICATIONS

FREE 1,200 LITRES fill of LPG

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