

PERSIMMON: ENERGY TRANSITION

THE PATH TO NET ZERO CARBON HOMES IN USE



Our Commitment to Energy Transition

Net Zero, Energy Efficiency and Future Homes Standard is at the forefront of Persimmon Homes Sustainability agenda and we are positively contributing towards the Government's 2050 Net Zero targets.

As part of our Road Map to Net Zero we have committed to:

- Net Zero in our business operations (scope 1 and 2) by 2040
- Our homes will be net zero in use by 2030.
- Increasing our commitment to sustainable construction and MMC. 30% of our homes are currently built utilising Space 4 our own Timber frame manufacturing plant, however we have committed to 50% of all homes being built using MMC/Space 4 by 2025. This is the highest percentage of all other PLC House builders.
- Smart homes is another area where Persimmon are focusing its attention, so that our customers will be able to select smart enabled products to be built into the home from day one to include smart sockets and light switches, smart heating/ventilation controls and smart appliances. This will give the home owner full control to turn all non-essential appliances off when not in use with the touch of one button to help save energy and cost

Building Regulations Part L 2021 Uplift

As a stepping stone to the Future Homes Standard the Government is implementing an interim uplift of energy performance requirements in Part L of Building Regulations.

The Government has committed to 31% reduction in CO2 emissions compared to current standards. This applies to new homes commenced from June 2022 (subject to transitional arrangements.)

Our homes commenced from this time (subject to transitional arrangements) will be built with additional thermal efficiency to the fabric of the building including the walls, floor, roof, windows and doors. They will be designed to have increased air tightness but also fitted with a System 3 ventilation system to ensure a pleasant internal environment is maintained.

New homes will also be fitted with a range of energy saving/ producing devices which may include- Solar PV, Flue gas heat recovery and waste water heat recovery.

The Future Homes Standard

In 2019 the Government set out its plans for the 'Future Homes Standard' from 2025. The standard will require new build homes to be future proofed with low carbon heating and world leading levels of energy efficiency.

Persimmon is currently developing its Future Homes Standard specification which will incorporate additional energy saving elements including for example replacing gas boilers with electric heating via Air Source Heat Pumps, advanced glazing and increased building fabric efficiencies. The specification may also include other technologies such as mechanical ventilation with heat recovery.



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This diagram shows some of the proposed measures to ensure our homes will achieve 31% reduction (Part L 2021), moving to 80% reduction (Future Homes Standard), and ultimately Persimmon's aim of 100% reduction to achieve net zero carbon homes in use by 2030:

