

Sustainability & Energy Efficiency Statement

Project: Proposed 3-Storey, 4-Bedroom Detached Dwelling

Location: Land to South of 7 Test Road, Sompting, Lancing, BN15 0EG

Date: 13/08/2026

The proposal for the new dwelling aims to achieve sustainable design and construction in line with the key planning principles outlined within the Local Plan. The proposed measures outlined will be further strengthened by full compliance with the latest Building Regulations.

Identified measures to be incorporated where feasible are as follows:

- High insulation values meeting and/or exceeding all latest Building Regulations requirements and of air tight construction confirmed via testing on completion.
- Installation of an air or ground source heat pump system
- Background and purge ventilation to latest requirements
- The development will incorporate low water use sanitaryware. Appropriate items will be specified and installed to ensure whole house water usage will be less than 110ltr/person/day. Items to include all taps/showers/wet appliances etc and all to meet or exceed latest Building Regulations requirements.
Any baths are to be fitted with a thermostatic control to limit the temperature to 48 degrees centigrade.
- The installation of PV panels to roof slopes of the property will be considered and incorporated where feasible to do so.
- The dwelling will have energy efficient light fittings only capable of accepting lamps with luminous efficacy greater than 75 lumens per circuit-watt
- Any fixed external lighting will have both the following controls - a) automatic controls which switch luminaries off in response to daylight. B) If luminous efficacy is 75 light source lumens per circuit-watt or less, automatic controls to switch the luminaries off after the lit area becomes unoccupied
- All radiators will be fitted with thermostatic valves.
- Rainwater harvesting will be installed – water butt system connected to rainwater goods
- An Electric charging point for cars and secure storage for cycles to promote sustainable transport
- Soft landscaping will be retained where appropriate and also enhanced to benefit and improve the natural environment (insects, bees, butterflies etc) See also Biodiversity Enhancement Statement
- The dwelling will fully comply with new DOC R (high-speed internet to promote home-working.
- An acoustic system will be provided to the party wall between the existing and new dwelling. System will be specified to achieve min 43db airborne sound insulation for the benefit of both occupiers. To be confirmed via acoustic testing on completion all as required under the latest Building Regulations
- Externally the development will have permeable ground surfaces

In addition, building materials will be sourced where possible from local suppliers.

A Construction & Management Plan will be employed throughout the construction phase to reduce waste, utilise local labour and materials and reduce water and energy use.