

Sustainable Construction & Energy Efficiency Statement

**Proposed Development:
Planning Application for the erection of 1
No. dwelling house with a new access and
car parking**

**Site Address:
Land to east side of Twinham, Hurst Road,
Hassocks, West Sussex BN6 9NL**

February 2025

SUSTAINABLE CONSTRUCTION & ENERGY EFFICIENCY STATEMENT

This statement demonstrates the commitment to sustainability and energy efficiency by the applicant.

The proposals for a new house at the Application Site adhere to the principles of sustainable design and construction in line with the key planning principles outlined in the policy documents and guidance notes.

The Mid Sussex District Plan provides the policies, proposals and the framework for development in the District. The purpose of the Plan is to set out detailed policies and specific proposals for the development and use of land, in order to guide most day-to-day planning decisions.

DP39: Sustainable Design and Construction

Strategic Objectives: 1) To promote development that makes the best use of resources and increases the sustainability of communities within Mid Sussex, and its ability to adapt to climate change.

Evidence Base: Gatwick Sub Region Water Cycle Study; West Sussex Sustainable Energy Study, Mid Sussex Sustainable Energy Study.

All development proposals must seek to improve the sustainability of development and should where appropriate and feasible according to the type and size of development and location, incorporate the following measures:

- **Minimise energy use through the design and layout of the scheme including through the use of natural lighting and ventilation;**
- **Explore opportunities for efficient energy supply through the use of communal heating networks where viable and feasible;**
- **Use renewable sources of energy;**
- **Maximise efficient use of resources, including minimising waste and maximising recycling/re-use of materials through both construction and occupation;**
- **Limit water use to 110 litres/person/day in accordance with Policy DP42: Water Infrastructure and the Water Environment;**
- **Demonstrate how the risks associated with future climate change have been planned for as part of the layout of the scheme and design of its buildings to ensure its longer term resilience**

Sustainable construction techniques are becoming increasingly important in development of new buildings and change of use. There are many drivers for this, most notably the need to address the causes of climate change, such as carbon dioxide (CO²) emissions. The need to reduce CO² emissions has been made clear with global, national and regional targets set, as well as targets for the amount of energy generated from renewable resources. In addition the review of Building Regulations Part L, reform of the planning system.

In respect of the proposed development, the Applicant's Architect confirms as follows:

- The dwelling will have High insulation and be of air tight construction;

- At this stage it is intended that dwelling will have an air source heat pump for underfloor heating, and mechanical ventilation heat recovery (MVHR) for air heating & cooling;
- The development will incorporate low water use sanitaryware;
- The dwelling will have energy efficient light fittings;
- A Grey water recycling system will be installed;
- Rainwater harvesting will be included; and,
- An Electric charging point for cars will be installed.

In addition, building materials will be sourced where possible from local suppliers. A Construction & Management Plan will be employed throughout the construction phase. Good planning and management will be used to reduce waste, utilise local labour and materials, and reduce water and energy use. Externally the development will have permeable ground surfaces.

Residents will enjoy a high quality lifestyle within a secure and well-designed development that is environmentally friendly and adaptable to their changing needs.

The concept of working from home will be promoted by the provision of internal services and the proposed room sizes, enabling home office space to be established. The development will have secure reliable high-speed internet connections to encourage working from home.

This Sustainability Statement outlines the applicant's commitment to providing energy efficiency measures as an integral part of this change of use project. It is the applicant's intention to create a new use for the long-vacant building that is sustainable, utilising up-to-date construction methods and sustainability measures that will create energy efficient households.

The proposal would therefore accord with the general objectives of Policy DP39 of the Mid Sussex District Plan.

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