

ENERGY STATEMENT

for

Proposed works comprising four new dwellings

at

The Grain Barn, Woodhouse Farm, Wheatsheaf Road, Woodmancote BN5 9BA

The Horsham District Council requires an Energy Statement to accompany all planning applications. This will comprise information on three items in the Energy Hierarchy of the Horsham District Council Planning Framework, namely:

1. Use less energy
2. Use energy efficiently
3. Use renewable energy

Lighting:

Only electricity may be considered 'renewable' energy when provided by wind farms or heat recovery systems (air source or ground source); all other sources are carbon based and require the release of energy captured in the past. Lighting can use this renewable energy and the proposals envisage the installation of high efficiency light fittings throughout.

Heating:

The completed buildings will be of modern, thermally efficient design and therefore use energy more efficiently. Ground source heat pumps are proposed. These are individual units to each dwelling supplied by captured energy in the ground that is virtually silent. The system will supply under-floor heating that is both efficient and comfortable.

Transport:

This rural location will require personal transport that will be either electric or hydrogen powered. Electric car charging is therefore proposed for each dwelling.

Water:

The design will limit use of water to 110 litres (per person) per day; this can only be achieved by new water closets having a displacement device, and providing showers instead of baths. In addition a rain water harvesting system to collect surface water from roofs and hard-standings will ensure that non potable water is available for recreational and garden use.

The new works therefore comply with Planning Policy by virtue of: reduced and efficient use of renewable energy, compliance with Part L of Building Regulations, minimal use of water and provision of electric car charging where appropriate.