

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr Nick and Mrs Kate Roberts
Site Address	Four Winds, 2 Highbridge Lane, Scissett, HD8 9JY
Description of Development	Extensions and Alterations

Part 2: Climate Change Mitigation measures

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:
Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)
Incorporating high levels of insulation in the building envelope, including walls roofs and floors, this will enhance the current thermal performance of the existing structure. Possible advanced heating and ventilation systems such as MVHR and ground source heat pumps to be incorporated in the build. Inclusion of energy efficient LED bulbs in replacement of existing halogen bulbs and low energy appliances. Installation of 'smart' energy meter. Use of centralised heating system, with individual time and temperature controls to each part of the building or individual rooms.
Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)
Where feasible, the re-use of existing on-site materials will be prioritised. Salvaged material from any demolition or site clearing will be carefully assessed for their suitability in the new construction or elsewhere on site. Local sourcing of new materials to minimize transportation distances. Timber will be sourced from sustainable and local yards, steel members will be made from recycled steel where possible without compromising on the structural integrity or aesthetics of the proposal.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

<p>If the full scope of works are carried out the intention is to incorporate a ground source heating system with possible MVHR system.</p>
<p>Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)</p>
<p>South facing windows to increase solar gains and reduce demand for artificial heating and lighting. Habitable rooms located to south. Potential management of heating and cooling via MHVR system. Materials used to have high thermal mass. Extra insulation within walls, floors and roof to improve the thermal performance of the existing building. Inclusion of rooflights/ openings to increase daylight within poorly lit areas.</p>
<p>Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)</p>
<p>The property is not situated within, or near a flood plane.</p> <p>The property is located within floor zone 1 and is not within 20m of a main river or flood defence.</p> <p>Proposed permeable paving/hardstanding within landscaping.</p>
<p>Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures) (See sections 7 and 8)</p>
<p>Installation of water efficient toilets, and spray and low-flow taps. Priority of shower trays over bath tubs. New appliances to be low water use. Installation of water meter.</p>
<p>Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)</p>
<p>Inclusion of enhancements and habitat creations through the use of drought resistant plants, water retaining mulches and ground cover plants.</p>
<p>Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)</p>
<p>Locally sourced materials to reduce transport emissions</p>