

Applicant Mr S and Mrs A Facey

Site Address 5 Dearnfield
Upper Cumberworth
HD8 8NX

Job nr. 25073

Project details Proposed side and rear extensions and alterations

Climate Change Mitigation Measures

Question 1: 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 of guidance notes)

- * The extension will use high-performance insulation and double-glazed units to minimize heat loss.
- * All new appliances will be energy efficient.
- * The development maintains outdoor space suitable for drying washing naturally.
- * Increased glazing reduces the reliance on artificial lighting during the day.

Question 2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reducing existing on-site materials or sourcing materials locally? (see section 3 of the guidance notes)

- * Building materials will be sourced locally, to reduce the need for transport.
- * The the proposals are designed to avoid the use of unnecessary materials.
- * Local contractors will be employed to carry out the work.
- * Materials which have a long lift span and require little maintenance will be used.
- * The project will maximise the use of timber from sustainable Forest Stewardship Council (FSC) sources. If other timber is used it will be from a known source with a sustainable purchasing policy.

Question 3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (see section 4 of the guidance notes)

N/A

Question 4: 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 of the guidance notes)

- * The extension will use high-performance insulation and double-glazed units to minimize heat loss.
- * All new glazing will be thermally broken frames with sealed double glazed units.
- * All new lighting will be low energy.

Question 5: What measures have been/will be taken to reduce potential impacts of flooding associated with your development? (see section 6 of the guidance notes)

- * The existing dwelling is within flood zone 1 (low risk of flooding)
- * Permeable surfaces and rainwater drainage will be maintained to prevent runoff issues.

Question 6: 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 of the guidance notes)

- * Low flow, water efficient fixtures will be used for the new ensuite and wc.
- * Rainwater harvesting systems can be accommodated within the design for garden irrigation.

Question 7: What measures have been/will be taken to provide biodiversity net gains? (see section 8 of the guidance notes)

N/A to this development, however...Large garden areas are retained, providing opportunities for biodiversity enhancement. Extensions are designed to avoid overdevelopment, ensuring adequate outdoor space for planting and green infrastructure.

Question 8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (see section 9 of the guidance notes)

- * Building materials will be sourced locally, to reduce the need for transport.
- * Local contractors will be employed to carry out the work, to reduce the need for transport.