

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr John Galloway
Site Address	Oakwood, Hopton Lane, Mirfield, WF14 8JZ
Description of Development	Single Storey Rear Extension to Existing House

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)
The extension will be installed with modern double glazed windows which will improve the thermal performance of the existing house. The use of 100% LED lighting within the extension will also improve the electric efficiency of the house. The extension will utilise the electricity supplied from the existing solar panels on the rear roof. Carefully sizing and positioning of overhead rooflights will maximize natural daylighting, which minimizes the reliance on artificial lighting during daytime hours without causing summer overheating.
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)
Excavated ground will be re-used on the existing land as much as possible i.e. landscaping - which will reduce transports off-site Local materials / brickwork will be used for the build - locally sourced bricks will also ensure good match to the existing brick walls.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The house already has had 12no solar panels recently fitted. All items in the extension
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)
Sizing and placing of the rear glazing (bi-fold doors) will strike a balance between maximizing free solar heat gain during the winter and preventing excessive heat loss. Utilizing overhead rooflights to drive natural daylight deep into both the new extension and the existing, landlocked rooms of the original house. This layout significantly reduces the daytime reliance on artificial lighting. Junctions will be constructed to ensure thermal bridging is of good workmanship thus stopping any localised heat paths.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
The extension is within an area of very low risk of flooding. The floor level is 615mm above ground level.
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)
The use of potential soakaways will be utilised to reduce the water stress of the house.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
This application is exempt from BNG due to its small size and application type. The client will remodel the garden to ensure the biodiversity of the existing garden is retained.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
Local materials will be used to reduce transport emissions. Building fabric is better insulated to reduce heating / cooling emissions. The use of the solar panels will reduce reliance on pollution generating energy sources.