

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Haroon Iqbal (Agent)
Site Address	35 Cumberland Avenue Huddersfield HD2 2JJ
Description of Development	Rear extension alteration and roof restructure

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 house is not part of a masterplan site that can connect to a CHP. The following sustainable technologies will be added to the works of the property: Solar PV arrays with battery's to store excess. Air Source Heat Pump. Smart water tank. Zoned underfloor heating and/or low temperate radiators. All new plumbing and electrical wiring with smart features and controls. Energy efficient appliances. Existing smart meters already on site.
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)
The client is exploring prefabricated offsite construction of key new elements such as SIP panels and roof structure. This will reduce construction wastage and amount of deliveries to the site. Demolition will be limited as much as possible. The extension is to be built on existing walls, therefore keeping the footprint and substructure of the house the same. Suitability will need to be checked. Where possible higher u-value fabric elements than building regs will be selected. Materials and labour will be sourced locally where possible.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

As shown on the drawings, key sustainable features are central to the proposal. The roof has been redesigned to maximise space for PVs and a new rooflight allows natural light through the house. There are also set locations for ASHP units which are to be screened from the street.

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)

The roof has been maximised to allow for PV installation. It also now includes a rooflight that can provide natural daylight through the house. Primary habitable rooms have all moved to South facing. Existing floor plans make very little use of daylight, proposed floor plans have been designed to optimise this. Glazing sizing and positioning has been optimised around the property to provide good natural light throughout. Current level of insulation is to be improved, or added where possible.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

The house is in flood zone 1. This means it has a low probability of flooding from rivers and the sea.

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)

Water-efficient sanitaryware will be installed to reduce water usage. There is an existing water meter and rainwater harvesting butts on site.

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

The biodiversity net gain is neutral. The proposal is built within the existing footprint. New shrubbery and plants will be added. Bird boxes to be installed amongst new landscaping.

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

There is space for installation of an Electric Vehicle charging point. All materials will be bought locally, and local labour is to be used where possible.