

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Hanzla Asghar
Site Address	25 Cornmill Lane Liversedge WF15 7DZ
Description of Development	Raising of roof height, change of roof shape from hipped to gable, front and rear dormers and changes to fenestration.

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 property is current rated at EPC E(53). There is only small amounts of eaves loft insulation, with no roof, wall or suspended floor insulation. The proposed works look to thermally improve all aspects of the building by highly insulating the new roof and it's dormers, insulating the external walls with an external render system and insulating the suspended floor. These works will substantially improve the EPC rating of the building and its energy demand. Both electricity and gas smart meters are installed at the property allowing a detailed insight into energy use.
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)
Key construction materials such as masonry and timber will be sourced from local suppliers, reducing the distance materials travel to site. Where appropriate, existing materials removed from the building will be re-used. A significant part of the existing building will be kept and improved eg, all external masonry walls. The replacement of building elements will be kept to a minimum and only when they are reaching end-of-life eg. the existing roof.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

A new highly-efficient combi boiler was installed 14 months ago.

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)

Changes to the roof design have been tailored to the orientation of the property. South facing openings are kept to a minimum to allow for optimum solar gain and openings to the rear (north) have been maximised to allow generous amounts of diffuse daylight without over exposing the rooms at first floor. The size and layout of rooms at first floor are optimised for natural ventilation, reducing the need and energy demand of a mechanical ventilation system.

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

Existing areas of soft landscaping will be retained.

Where areas of hard standing are to be replaced eg. Concrete driveway, suitable alternatives will be used such as gravel or permeable block pavers.

Water butts will be installed at the rear elevation to capture rainwater for garden use.

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)

Where new toilets are installed, low-flush units will be used. Where new sinks are installed, low flow taps will be used.

A water meter is installed at the property which allows a good insight into water use.

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

No change to the external areas of the property are proposed. Mature landscaping, hedges, shrubs and flowerbeds that are present within the plot will remain.

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

Local suppliers will be used for construction materials to minimise the distance materials travel to site.

Existing external clothes drying equipment will remain in-situ, to reduce the energy used for washing / drying clothes.