

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Lucy Lloyd
Site Address	The Homestead Hurst Knowle Almondbury HD5 8SG
Description of Development	The demolition of former care home and construction of a specialist supported accommodation scheme.

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 design proposes a 'fabric first' approach, looking at the efficiency of the fabric of the building. The apartment block will be constructed using timber frame, a thermally and environmentally friendly material, reducing thermal bridging and increasing performance. The properties will be insulated beyond current building regulation requirements within walls and floors and low air pressure tests will be required post completion. Sufficient glazing will be provided to all windows. Efficient water heating systems and water saving taps will be installed to limit the volume of water use within the properties. Electric heating systems alleviate the need for a gas supply on site, with smart metering and thermostatic controls to manage consumption.
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)
Using off site manufacturing for the timber frame reduces carbon footprint and waste. Materials where possible are sourced locally and only purchased where required so stock isn't held on site. Waste materials are segregated and recycled on site.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

A solar panel system will be installed on the properties. The solar will significantly reduce the carbon footprint of the property when in use.

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)

Whilst ensuring the design of the scheme maximises the use of the whole development site whilst retaining outdoor spaces for the residents to enjoy. Double glazing, increased insulation and energy efficient heating systems are all designed to maximize the efficiency of the building when in use.

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

Efficient surface water management has been designed into the scheme using permeable surfacing solutions such as gravel crete for parking areas. Maximizing the area of soft landscaping on site to increase soakaways.

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 outlets such as low flow taps and low flush toilets will be installed across the development. all properties will be fitted with an individual water smart meter so they will have an accurate measurement of water usage.

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

Designing in open green spaces and communal outdoor space was important when developing this scheme. Including native plans into the landscaping and enhancing the landscape to ensure it is an improvement on what was originally on site.

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

Electric Vehicle Charging Points, Cycle stores and increased ventilation are all designed into the development to reduce the air pollution associated with the scheme. During the development, materials will be sourced locally, reducing transportation. The development is located in close proximity to our contractors and suppliers so transport and delivery is minimised.