

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Elizabeth Parr . Architect
Site Address	18 Stanwell Avenue Birkby Huddersfield HD2 2BY
Description of Development	First floor extension to existing bungalow with extension to front and single storey extension to side elevation and car port to form a two storey dwelling and demolition of attached double garage with construction of detached double garage.

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)
All external walls will be insulated. Smart energy metering. New/modern user friendly heating controls. Energy efficient white goods to be supplied. Plenty of space to dry washing outside. Centralise Heating system, with individual time and temperature controls for different zones in the house.
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)
Re-use and refurbishment of the existing property to form energy efficient dwelling. Re-using materials where possible otherwise recycling appropriately. External space allocated for storage of waste (general and recycling) Use of materials with low u-values Locally sourced materials to reduce carbon footprint whilst transporting the goods. All new timber to be from FSC certified sources. Use of materials with a long lifespan and require minimal maintenance. Continued use of existing home composting bins.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

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)
<p>Primary habitable rooms have been located on the South elevation to maximise passive solar gain.</p> <p>Additional insulation to the loft and walls, new argon filled double glazed windows and low energy light fittings with automatic controls to automatically turn lights off when room not in use all to promote energy efficiency.</p>
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
<p>Property is not within a flood risk zone.</p>
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)
<p>Water efficient toilets, taps and showers will be installed.</p> <p>The property will have a water meter to ensure the occupiers are aware of their water usage.</p> <p>There is space for water butts around the property for rainwater harvesting to water the garden</p>
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
<p>The property is surrounded by mature gardens and trees - some of which are protected by TPO's. These gardens will be maintained, providing and maintaining habitats for the local wildlife.</p>
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
<p>All materials to be locally sourced to reduce transportation loads.</p> <p>Mechanical ventilation systems within the kitchen and bathroom areas and background ventilation to other habitable rooms.</p> <p>The location of the property close to public transport links (bus and train) removing the requirement for occupiers to have to use a private car.</p>