

## **Appendix A – Climate Change Statement**

### **Climate Change Statement for Planning Applications**

#### **Part 1: Applicant details**

Name of applicant/agent	A+DP Architecture and Design Ltd
Site Address	24 Wood Bottom Road, Netherton, Huddersfield, HD4 7DJ
Description of Development	Two storey extension to side of existing dwelling

#### **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 existing house will be insulated internally, to improve the performance and thermal efficiency, as well as the extension being constructed to required standards. All windows will be replaced providing improvements. Heating system will be upgraded to a new energy efficient system. Move kitchen to south facing aspect to benefit from solar gains. Install underfloor heating.
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)
Self-build project, reduction of any travel to and from site. Utilising local labour where additional required. Reuse as much existing materials as possible, where necessary, any additional materials will be sourced locally.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

<p>Long term plan for being more self-sufficient - provide all own firewood, utilise a natural water source on the land (see more detail in Justification Statement), improve existing farmland</p>
<p>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>
<p>As noted above insulation will be added to line existing walls, it will also be added to roof voids. The extension will have a roof slope which is largely south facing and could be utilised in the future for solar panels. The incorporation of rooflights, to admit more natural daylight and reduce the need for artificial lights. Large areas of glazing to the south for benefit of solar gains and fewer windows to the north. Argon filled double glazed windows to replace existing.</p>
<p>Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)</p>
<p>N/A</p>
<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>
<p>Rainwater harvesting will be utilised where possible for watering the gardens and land. The natural water source on the land will be used.</p>
<p>Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)</p>
<p>Improve farmland for the farming of animals, hobby farming.</p>
<p>Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)</p>
<p>Largely a self build project, reuse of materials, where necessary additional materials will be locally sourced.</p>