Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mark Smith (Agent - Architecture 1B)
Site Address	23A, Barnsley Road, Flockton, Kirklees, Wakefield, WF4 4DP
Description of Development	Erection of detached garage with room above

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)
High levels of insulation, airtight construction preventing unwanted air leakage, stricter U-values for walls and efficient glazing to reduce heat loss and minimise energy demand, and more efficient heating system. Minimal glazing proposed to create the potential for excessive heat loss or gain.
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 external shell will be natural locally sourced stone which is an energy-efficient building material due to its high thermal mass, which helps regulate internal temperatures, and with a high durability and longevity. The slate roof will also be sourced locally.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The layout and orientation of the garage on an east-west axis with long rear elevation providing significant area of unshaded south facing roof surface providing an optimum location for a roof-mounted solar photovoltaic panels system to provide on-site electricity generation, capable of generating sufficient energy to meet current target energy renewable demand to be met, along with facilitating the future residents ability to become renewable energy source self-sufficient.
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 proposals comprise relatively simple building forms that have less potential for heat to be lost through poor detailing, and are generally more efficient to build.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
The site is not at risk of flooding.
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 fixtures such as duel flush toilets and spray taps are to be specified, and all appliances will have high energy and or water usage efficiency ratings to further reduce the scheme's environmental footprint.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The site will see any hedging removed replaced with native species in the new position, and landscaping enhanced around the proposed garage.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
Electric vehicle charging points which supports ultra-low emissions vehicles will be included in the garage construction, encouraging sustainable transport options, with the wider site already enjoying 2 other charging points. Part of the purpose of the proposed development is to create additional space for bicycle storage, to further encourage the applicats already substantial use of zero carbon transportation options.