

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Applicant - Maryam Ilyas Agent - Rizwan Ahmed
Site Address	4 Longley Road, HD5 8JL
Description of Development	converting garage into habitable space and proposing first floor development to front and single storey extension to the rear. Along with updating living standards of the 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)
We shall take measures in energy demand to insulate with low carbon materials and reuseable insulation from kingspan. We shall also takes careful consideration in insulating the walls, floors and roof effectively to cut energy and carbon cost long term. We possibly may consider going with the option of thin joint blockwork or insulated concrete forms. We shall also use triple glazed windows and new doors to control thermal bridging and allow better ventilation throughout the property and reducing energy. We shall add new fenestration which shall offer low u values and good weathertightness. All the rooms are small with no open plan living as this shall reduce more energy to be used compared to smaller rooms. We are considering solar panels and heat pump but that may be down the line as we have to consider the budget we have and due to rise of cost it could be difficult at first to install solar panels and heat. Therefore, we would install a modern boiler which is low cost to install and capable of delivering in the region 50% of a household hot water needs. We shall also draughtproof for low energy home as the existing and proposed windows will be upgraded with draught proofing strips and/or secondary glazing, while heavy curtains and blinds will also make a difference. Insulating beneath floorboards is a great way to reduce draughts (we shall use a suitable material for this). Filling gaps between floorboards and under skirtings can also be an option. We shall take measures in adding specific low energy appliances to make an overall impact to the energy consumption. We shall use intergated smart home technology to impact and reduce the energy bills. By using smart meters we can get a general overview of how much energy is used.
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)
We shall source materials locally to limit carbon consumption and any waste that can be reused, we will take measures to make sure they can be reused. The materials which cannot be reused, we will make sure they are well thoroughly organised.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

We shall also use few finish materials as to being potential source of embodied carb

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)

Maximising airtightness, optimising insulation and eliminating thermal bridging. Using more energy-efficient walls, floors, windows and roofs can also help reduce the dependence on technology and its associated energy costs.

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

The existing dwelling land is a flood zone 1 and it has a low probability of flooding rivers and sea.

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)

We shall measures by opting for showers instead of baths to save water and include shower timers to reduce water usage. We shall also opt for not using spriinklers in the garden but to use water bucket. We shall also implement water saving basin taps to try and reduce water usage. We shall also use a energy rating A dishwasher.

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

The development does not impact the biodiversity as this is a small scale householder application.

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

The development does not impact the air as this is a small scale householder application. Although we shall use local sourced recycled materials as much as possible. We shall also adaopt a whole building approach to heating and ventilation to ensure indoor air quality is maintained and achieves standard for energy use. We shall also switch to using renewable energy supplying sources. We shall also use the rear garden to planting.