

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr and Mrs M Fitzpatrick
Site Address	1 Clough Head, Bolster Moor, Golcar, Huddersfield, HD7 4NW
Description of Development	Proposed 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)
• High performance insulation in the floors, walls and roofs and air tightness (potentially exceeding building regulations requirements) achieved through the products and methods used in the timber frame construction. • Triple glazed aluminium frame windows and doors to significantly reduce heat loss. • Mechanical Ventilation with Heat Recovery (MVHR) system incorporated into the construction. Mechanically conditions the air whilst recovering up to 80% of the warm exhaust air to heat the property. • Large format glazing incorporated into the design including south facing orientation to maximise heat from the sun. • Installation of underfloor heating which provides low output heating to maximise efficiency, especially the heat pump. • Installation of Smart Technology control systems and appliances to maximise efficiency.
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)
• Where possible materials with low environmental impact are to be used in the overall construction.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy

sources? (See section 4)
• Monocrystalline Solar Panels located on the flat roof typically 25%+ efficiency. • Solar panels incorporated into the main roof using the sheet roofing suppliers integral proprietary system • Solar panels linked to battery storage systems to provide self-sufficient electricity. • Installation of Air source Heat Pump.
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)
As above
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Soft landscaping to minimize surface water run-off
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)
• Low-flow taps, showerheads, and toilets.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
Exempt – Self-Build
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
Energy efficient heating and ventilation Off-site fabrication where practical