

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Dan Grierson (Agent)
Site Address	Pule Hill Farm Manchester Road, Marsden HD7 6NJ
Description of Development	Garden Room

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 building uses low wattage LED lighting. Installation of smart metering at the main house supplying the outbuilding. Isulation and to floor, walls and roof beyond minimum requirements.
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)
Materials sourced locally to avoid need for transportation. Reclaimed natural slate used for roofing. Precise calculations used in construction to eliminate waste. Use of materials with low levels of embodied energy. Builing footprint designed avoid unnecessary use of materials. Use of FSC timbers exclusively. Provision of water supply using the overflow of a natural spring supplying the dwelling house.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Solar PV panels fitted Biomass heating

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)

Orientation of the building to ensure roof structure includes south facing slope for solar panels. Use of landscape and tree planting to provide shelter from winds. Extra insulation of walls, roof and floor. Argon filled low emissivity glazing. Low energy lighting and controls to switch off when not needed. Use of roof lights to increase daylight.

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

use of soft landscaping and crushed stone in surrounding areas to allow sustainable drainage with surface waters soaking into subsoil. Incorporating significant tree planting benefitting surface water runoff and providing valuable wildlife habitats to support biodiversity net gain.

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 supply entirely provisioned using the overflow from private natural spring.

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

Planting of trees (native species) with consideration to those naturally found in the area (hazel, rowan, oak and birch) consulting National Trust Marsden Moor on the best means of increasing biodiversity; use of heather, crowberry and bilberry benefitting the rare bird population on Marsden Moor. The associated dwelling house and surrounding area also is home to a number of bats which can be easily seen at dusk and roosts have been made deliberately available in the structure.

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

Locally sourced materials and tradespeople.