

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Future Rooms
Site Address	Sandhurst Court, 7, Spen View, Dewsbury Moor, Dewsbury, WF13 3PZ
Description of Development	Small single storey 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)
<p>The structure of the building is comprised of SIPs panels. These are an inherently well insulated and airtight structure.</p> <p>The joining of the panels utilises insulated splines which mitigates cold bridging of structural members.</p> <p>This highly efficient shell only requires minimal heating, using electric heaters, which are easily compatible with renewable energy sources</p>
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)
<p>The sub structure will consist of ground screws. These require no excavation, saving carbon emissions in construction. No concrete is used, which is one of the highest carbon emitters in the construction industry.</p> <p>The superstructure is of FSC certified timber construction and timber cladding is used externally. Lightweight EPS insulation is used, which is completely inert and fully recyclable.</p> <p>The structure is premanufacture in an offsite facility ensuring efficiency in its production. Buildings of this nature and structure are considered truly carbon neutral in its construction, with the timber materials locking away more carbon that is emitted in its production.</p>
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Electric heating is used, which is the most compatible heating source for renewable energy.
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 garden room is of small and simple geometrical design. This provides simple efficiency and the flat ceiling give a small cubic meter space of air to heat. The glazing arrangements also allow solar gain in winter, while the overhang limits solar gain in summer (when the sun is higher in the sky).
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Rainwater will be collected in a water butt prior to dispersal to the existing site drainage
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)
There is no water demand from the building, with no plumbing fixtures.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
Two bird boxes will be fitted to the rear of the room.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
There will be no impact on local air pollution from the installation of the building