

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Joe Dempsey (Dempsey+Gannon Architects)
Site Address	82 Fenay Lane, Almondbury, Huddersfield
Description of Development	The proposed alterations and extension at 82 Fenay Lane aim to enhance the spatial flow and functionality of the house while maximizing natural light and strengthening the house-garden connection. The extension will be confined to the first-floor level above the existing garage, ensuring minimal impact on the site's overall layout.

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 design maximizes natural light, reducing the need for artificial lighting. The extension's placement over the existing garage leverages the current structure, minimizing additional materials and reducing the embodied energy typically associated with new foundations and structural supports.
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 project utilizes sustainably sourced timber for cladding, reflecting the rural and natural surroundings while minimizing the carbon footprint. Local materials reduce transportation emissions and support the local economy.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Although not specified in the provided documents, potential measures could include
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 design emphasizes insulation and efficient window placement to enhance thermal performance, surpassing the minimum requirements of Part L of the Building Regulations. The strategic window placement also optimizes solar gain, reducing heating demand during colder months.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Not detailed in the provided documents, but typically, ensuring proper site drainage and considering the installation of permeable paving could reduce potential flood impacts.
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-saving fixtures in the home, rainwater harvesting for garden irrigation.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The project could incorporate features such as bird and bat boxes to enhance biodiversity. Native plantings in the garden could provide habitat and food sources for local wildlife, contributing to biodiversity net gains.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
The use of low-emission construction equipment and vehicles, dust suppression techniques, and the scheduling of major works outside of peak traffic times could help reduce air pollution during the construction phase.