

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Luke Wain (applicant)
Site Address	7 Dartmouth Avenue Almondbury HD5 8UR
Description of Development	Single storey extension to detached dwelling, extending to the side and front of the property. Removal of garage to the side/rear.

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 walls, roof and floor will have improved U-values compared to those required by the building regulations. This will reduce energy demand of the proposed development with a fabric first approach.
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 materials used for the construction of the extension will be locally sourced and the builder undertaking the construction will be from the local area, reducing the emissions in transport and deliveries.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)
There is limited opportunity to utilise renewable or low carbon energy sources considering the scale of the proposed development. Renewables are being considered for the main dwelling in an effort to use more renewable energy sources. As part of the development, the existing boiler will be replaced with a new, more efficient boiler with hydrogen readiness being taken into account.

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 extension to the dwelling has been designed with the office/ living area to the front of the property that faces in a south west direction so to maximise the daylight and also solar gain. The more practical space of the utility room faces north east as there isn't so much of a requirement for daylight and solar gain.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Some of the potential impacts of flooding have been mitigated by the utilisation of solid floor in the extension rather than suspended timber floor with air bricks beneath.
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)
The increased hardstanding to the front of the property will run off into surrounding planting areas rather than into the drains to reduce the potential impact of flooding. With the demolition of the existing garage, there will be more permeable areas to the side/ rear with more lawned area and less hardstanding.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
As part of the proposed development, the existing garage will be demolished and removed, increasing the size of the possible habitat areas (hedging etc) and also reducing the area of hardstanding, being replaced with grassed areas.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
Site practices will be such to reduce the amount of air pollution such as not leaving machinery idling, only mixing the necessary amount of mortar so reducing the amount time machinery is used. There will be no diesel generators used on the development. With the removal of the garage, it is likely that there will be hedges planted along the boundary fence which will assist in reducing air pollution after the development has completed.