

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Archie Leigh-Jones (Applicant) Stephen Dixon, Calls Architecture (Agent)
Site Address	15 Towngate Marsden Huddersfield HD7 6DD
Description of Development	Repairs and refurbishment, including replacement staircase, fabric repairs, internal alterations, replacement rainwater goods and windows / doors.

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>As a listed building, measures to reduce the energy demand have been balanced with the need to preserve the architectural heritage. Materials such as insulating lime render are included in the proposed repair proposals to help reduce energy demand and also improve the breathability of the stone external walls.</p> <p>The existing windows dating from the 1980s have a mixture of single and double glazing. The condition is mixed, and whilst some are acceptable in the short term, the longer term aspiration is to improve both the thermal performance by replacing these with timber sashes with slimline double glazed units.</p> <p>New electrical installations will reduce energy demand by using more efficient appliances and LED lighting. A new heating system will use a more efficient boiler.</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)

The re-use of an existing listed building is inherently sustainable, and improvements to the fabric will ensure the building continues to have a long term future. The existing building contains a significant amount of embodied energy both from its original construction and the later alterations and refurbishments. The vast majority of this embodied energy is to be retained, repaired and adapted, lowering the overall carbon consumption in the project.

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

A more efficient heating system is proposed to lower the energy demand alongside improvements to the fabric. Improved thermal performance of the fabric proposed in the application will allow future consideration of fully renewable options such as heat pump installations, which are less suited to buildings with high heat loss.

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)

Not applicable - The building design is pre-existing and Grade II listed.

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

General upgrades include rewiring - Flood risk remains present for the property, and electrical installations will use flood resilient design where feasible, as noted in the drawings and design statement. Robust flooring at ground level will help to mitigate the impact of flooding.

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)

New bathroom installations will reduce water stress by using updated fittings with the latest water control measures, such as dual flush toilets and water saving faucets. Improved plumbing systems will minimise water waste through efficient pipe layouts and reduced water pressure.

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

This project makes no changes to the site / building footprint and primarily focuses on internal modifications, biodiversity net gains are therefore not considered to be within the scope of the project. The proposals in this application do not affect any existing habitats and we consider that the development proposal would be within the scope of the de minimis exemption.

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

A multi-fuel stove, designed for smokeless fuels, will replace the 1980's log burner to meet air pollution standards in the Kirklees Smoke Control Area.