Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Mr Jangheer Ahmed
Site Address	Castle Hall, Lee Road, Ravensthorpe, Dewsbury, WF13 3BE
Description of Development	The proposal comprises the change of use of an existing care home to form 11 self-contained residential flats, achieved through internal reconfiguration only. The development involves the removal and re-arrangement of internal partition walls to create six flats at ground floor level and five flats at first floor level. No external alterations are proposed. The existing building footprint, elevations, roof form, access arrangements, and site layout will remain unchanged.

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 proposed development seeks to minimise energy demand primarily through the **reuse of an existing building**, thereby avoiding the significant embodied carbon associated with demolition and new construction. Internal layouts have been designed efficiently to reduce unnecessary circulation space and improve thermal efficiency. Where feasible, upgrades to insulation, glazing performance, and building services will be incorporated as part of the conversion works in accordance with Building Regulations, resulting in reduced operational energy demand compared to the existing use.
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)

Carbon consumption will be minimised through the **retention and reuse of the existing building structure and fabric**, significantly reducing the need for new construction materials. Internal alterations will reuse existing walls and materials where practicable, with new materials sourced responsibly and, where possible, from local suppliers to reduce transport-related emissions.

Construction waste will be minimised through careful planning, and recyclable materials will be segregated and disposed of appropriately.

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

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The proposal does not include external alterations that would facilitate the installation of on-site renewable energy infrastructure. However, the development will be designed to allow for **future integration of low-carbon technologies**, subject to building regulations compliance and future occupier requirements.

Heating and electrical systems will be specified to meet or exceed current efficiency standards.

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 internal layout has been optimised to improve energy efficiency by reducing heat loss through rationalised room arrangements and limiting excessive circulation areas. The conversion will improve the overall performance of the building compared to the existing care home use through upgraded services, improved fabric performance where achievable, and efficient space planning aligned with Part L requirements.

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

The site is located within **Flood Zone 2** and is supported by a Flood Risk Assessment. Mitigation measures include:

- Finished floor levels set **a minimum of 300mm above surrounding ground levels**
- Electrical services raised above predicted flood levels
- Use of flood-resistant materials at ground floor level where appropriate
- No habitable accommodation below predicted flood levels

- Safe access and egress maintained during flood events

These measures ensure the development will be safe for its lifetime without increasing flood risk elsewhere.

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 efficiency will be improved through the installation of **modern, water-efficient fixtures and fittings**, including low-flow taps, dual-flush WCs, and efficient appliances. As no external works are proposed, existing drainage arrangements will be retained, and the development will not increase surface water runoff or water demand beyond reasonable levels.

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

The proposal involves **internal alterations only**, with no changes to the building footprint, site layout, or external landscaping. As such, there will be **no loss of existing biodiversity**, and the development is considered biodiversity neutral. The retention of the existing built form avoids disturbance to surrounding habitats.

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

Air pollution impacts will be minimised through the reuse of the existing building, reducing construction duration and associated vehicle movements. The completed development will support sustainable living through improved energy efficiency and reduced operational emissions compared to the existing use. No industrial or high-pollution uses are proposed.