

## **Appendix A – Climate Change Statement**

### **Climate Change Statement for Planning Applications**

#### **Part 1: Applicant details**

|                            |                                                                                |
|----------------------------|--------------------------------------------------------------------------------|
| Name of applicant/agent    | Hanivilla Limited                                                              |
| Site Address               | 57 Adelphi Road Marsh Huddersfield HD3 4BB                                     |
| Description of Development | Change of Use from C3 to C2 for a Single Placement Residential Children's Home |

#### **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)

Adelphi House Children's Home will adopt a proactive, whole-building approach to reducing energy demand that goes beyond the minimum requirements of the Building Regulations. *A fabric-first and behaviour-led* strategy will be embedded across the operation of the home to ensure sustained energy efficiency.

All fixed and installed services will prioritise energy efficiency, including high-efficiency boilers, A-rated white goods, and low-energy LED lighting throughout the property. Heating systems will be fitted with user-friendly programmable controls and timers, allowing zoned heating and scheduled operation to avoid unnecessary energy use while maintaining a safe and comfortable living environment.

Smart meters will be installed to actively monitor energy consumption. Usage data will be reviewed by management to identify trends, reduce wastage, and inform continuous improvement measures. This whole-system monitoring approach enables real-time energy awareness and supports evidence-based energy reduction.

Adelphi House will operate a weekly "Sustainable Travel Friday", a practice already successfully embedded within our sister supported accommodation services. On this day, staff are encouraged to walk, cycle, or use public transport where practicable, reducing transport-related energy use and emissions.

Energy awareness and carbon-reduction education will be embedded into daily living routines for both staff and young people. Practical guidance will be provided on simple but effective behaviours, such as boiling only the water required when using kettles for a cup

of tea, encourage the use of shower as a preferred option to bathing, switching off appliances when not in use, and maximising natural daylight. These small, consistent actions support long-term behavioural change and reduced demand.

The service will also operate a predominantly paperless system, using digital record-keeping, electronic communications, and secure cloud-based storage to minimise energy and resource use associated with printing and paper handling.

Collectively, these measures demonstrate a proportionate yet robust approach to reducing energy demand beyond regulatory minimums, aligned with Kirklees Council's climate objectives and committed to continuous improvement through whole-system monitoring and review.

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 proposed works at Adelphi House will prioritise the minimisation of embodied carbon through a refurbishment-led approach rather than wholesale replacement. Where works are required, existing building elements and fixtures will be retained, repaired, or refurbished wherever practicable to reduce construction waste and the carbon impacts associated with new materials.

Materials that must be replaced will be responsibly managed, with re-use and recycling prioritised and disposal to landfill avoided wherever possible. Construction activities will follow waste-minimisation principles, including efficient material ordering and segregation of recyclable waste streams.

Contractors and suppliers will be sourced locally where practicable to reduce transport-related carbon emissions. This approach also ensures that investment associated with the development of the property, both during the works and once Adelphi Children's Home is operational, supports the local Kirklees economy, with expenditure directed towards local trades, suppliers, and businesses. This supply-chain strategy forms part of Hanivilla's wider social value commitment, ensuring that Kirklees Council funding for Adelphi Children's Home contributes positively to local economic resilience while reducing environmental impact.

Materials specified for the works will be selected with sustainability in mind, favouring responsibly sourced, durable, and recyclable products with lower embodied carbon where feasible. Contractors will be encouraged to adopt efficient working practices, limit vehicle movements, and consolidate deliveries to further reduce emissions during the construction phase.

Overall, the combination of refurbishment-first delivery, local sourcing, sustainable material selection, and responsible waste management ensures that carbon consumption during implementation is proportionate, minimised, and fully aligned with Kirklees Council's climate and social value objectives.

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

Climate Change Statement for Planning Applications

1

The proposed development at Adelphi Children's Home will incorporate low-carbon energy measures that are proportionate to the scale and nature of an existing residential property. High-efficiency heating and hot water systems will be installed to minimise carbon emissions and reduce overall energy demand when compared with older, less efficient systems.

The property will be designed to remain *future-ready* for the installation of renewable and low-carbon technologies, such as air-source heat pumps and roof-mounted solar photovoltaic (PV) panels, subject to technical feasibility, cost viability, and planning considerations. Electrical and internal layouts will be configured to avoid unnecessary barriers to future upgrades.

Energy efficiency improvements implemented across the building fabric and services will ensure that any future renewable technologies can operate effectively and deliver maximum carbon reduction benefits. The service will also actively monitor developments in low-carbon technologies and funding opportunities to support future implementation where feasible.

This balanced approach ensures that low-carbon energy use is maximised where practicable, while remaining appropriate to the existing building and aligned with Kirklees Council's climate change objectives.

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 and internal layout of Adelphi Children's Home will be optimised to achieve energy efficiency beyond the minimum requirements of Part L of the Building Regulations through a fabric-first and layout-led approach.

The existing building fabric will be enhanced where practicable, including improvements to insulation, airtightness, and glazing performance to reduce heat loss and improve thermal comfort. Draught-proofing measures will be implemented to minimise uncontrolled air leakage, supporting consistent internal temperatures and reducing heating demand.

Internal layouts will be arranged to maximise natural daylight penetration, reducing reliance on artificial lighting during daytime hours. Frequently occupied spaces will be positioned to benefit from natural light and heat retention, while circulation and service areas will be designed to minimise unnecessary energy use.

Heating systems will be supported by zoned controls and programmable timers, allowing different areas of the home to be heated according to occupancy and use patterns. This ensures energy is not wasted in unoccupied areas while maintaining a safe and comfortable environment for children and staff.

Energy-efficient lighting, appliances, and controls will be specified throughout the property, and design decisions will be informed by ongoing energy monitoring to support continuous improvement. Collectively, these measures ensure that the building's design and layout perform beyond baseline regulatory standards and align with Kirklees Council's climate change and sustainability objectives.

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

The proposed development at Adelphi Children's Home is located within an established residential area and does not introduce any increase in built footprint or impermeable surface area. As such, the proposal will not increase surface water runoff or flood risk on-site or elsewhere.

Existing drainage arrangements will be retained, inspected, and maintained to ensure they operate effectively. Any minor refurbishment works will be designed to protect existing drainage infrastructure and avoid obstruction or displacement of surface water flows.

The site will continue to discharge surface water at greenfield-equivalent rates where applicable, and routine property management will ensure gutters, downpipes, and drainage channels are kept clear and functional. These measures ensure that the development does not exacerbate flood risk and remains fully compliant with Kirklees Council's flood risk and climate resilience requirements.

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)

Adelphi Children's Home will implement a range of water-efficiency and demand-management measures to reduce water stress associated with the development. Water-saving fixtures and fittings will be installed throughout the property, including low-flow taps and showers, dual-flush toilets, and water-efficient appliances, ensuring reduced consumption without compromising hygiene or safeguarding standards.

The property will be maintained to prevent water loss, with routine inspection of pipework, fixtures, and appliances to promptly identify and address leaks. Where refurbishment works take place, modern plumbing components will be installed to improve efficiency and durability.

Staff and young people will be supported to adopt responsible water-use behaviours through everyday guidance and awareness, such as mindful water use during washing, cleaning, and food preparation. This behaviour-led approach complements physical measures and supports long-term reduction in water demand.

Collectively, these measures ensure that water use is minimised, proportionate, and aligned with Kirklees Council's objectives for managing water stress and promoting sustainable development.

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

The proposed development at Adelphi Children's Home is located within an existing residential setting with limited scope for large-scale ecological enhancement. However, biodiversity net gain will be supported through proportionate, site-appropriate measures.

Existing vegetation and soft landscaping within the site will be retained and protected wherever practicable. Where opportunities arise, small-scale enhancements will be introduced, such as additional planting, use of planters, and incorporation of native or pollinator-friendly species to support local biodiversity.

The management of external areas will avoid unnecessary hard surfacing and will encourage greener spaces where feasible. Routine property management practices will ensure that landscaped areas are maintained in a manner that supports biodiversity rather than reducing it.

These measures ensure that the development delivers a positive contribution to urban biodiversity, proportionate to the scale of the proposal, and aligned with Kirklees Council's expectations for biodiversity enhancement within developed residential environments.

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

Adelphi Children's Home will implement a range of measures to minimise air pollution associated with both the operation of the property and any minor refurbishment works. Energy-efficient heating systems, modern appliances, and improved insulation will reduce overall fuel consumption, thereby lowering emissions associated with space heating and hot water use.

Sustainable travel will be actively promoted among staff through initiatives such as encouraging walking, cycling, and use of public transport where practicable, reducing reliance on private vehicles and associated emissions. Vehicle idling will be discouraged in the vicinity of the property.

During any construction or maintenance activities, contractors will be required to adopt good practice measures to control dust and emissions, including limiting unnecessary vehicle movements, switching off engines when not in use, and maintaining clean and orderly working areas.

Collectively, these measures ensure that air quality impacts are minimised, proportionate to the scale of the development, and fully aligned with Kirklees Council's objectives to improve air quality and reduce pollution.