

CLIMATE CHANGE STATEMENT

Planning Application — 81 Spindle Walk, Huddersfield HD2 1ZN

Applicant:	N. Owner, 81 Spindle Walk, Huddersfield HD2 1ZN
LPA:	Kirklees Council
Proposal:	Erection of single-storey rear conservatory (3.0m x 4.0m)
Date:	May 2026

1. Introduction and Policy Context

This Climate Change Statement is submitted in accordance with Kirklees Council's requirement (Cabinet decision, June 2021) that all planning applications be accompanied by a Climate Change Statement proportionate to the scale of the proposal.

The National Planning Policy Framework (NPPF) requires planning to support the transition to a low-carbon future and shape places to minimise vulnerability to climate change impacts. This statement addresses those requirements in the context of a modest single-storey rear conservatory.

2. Description of Proposal

The proposal is the erection of a single-storey Edwardian-style hipped-roof conservatory (3.0m wide x 4.0m deep) at the rear of the existing dwelling.

The conservatory will be constructed on a brick dwarf wall (~600mm height) with full-height white UPVC double-glazed panels on all four sides (frame colour TBC). The roof is a hipped polycarbonate unit. A 1350mm door is positioned on the garden-facing elevation.

Total new floor area: 12.0 m².

3. Energy Efficiency & Carbon Reduction

Double-glazed UPVC units: the second-hand white UPVC frames will be reused reducing embodied carbon compared to new manufacture.

All glazing will meet or exceed current Building Regulations Part L requirements (minimum 1.6 W/m²K centre-pane U-value for windows).

The polycarbonate roof panels will be a minimum 16mm twinwall or equivalent to provide acceptable thermal performance (U-value ≤ 1.8 W/m²K).

Top-hung openers on both side walls provide natural cross-ventilation, reducing reliance on mechanical cooling in warmer months.

LED lighting only will be used within the conservatory.

The conservatory will be separated from the house by the existing patio door, allowing it to be isolated thermally when not in use — consistent with Part L.

4. Materials & Embodied Carbon

The UPVC frames are second-hand and being reused — significantly reducing embodied carbon relative to new frames.

The dwarf wall will use locally sourced facing brick where possible.

No demolition of existing fabric is required.

Total material volume is small (12m² footprint, single storey).

5. Adaptation to Climate Change

Overheating risk: top-hung openers on both long elevations provide cross-ventilation to manage summer heat gain. External shading (blinds) can be added by the occupier as required.

Flood risk: the site is in Flood Zone 1 (low probability). No Flood Risk Assessment is required. Permeable landscaping at the base of the dwarf walls will be maintained to manage surface water drainage.

The small footprint (12m²) has a negligible impact on surface water runoff.

6. Summary

The proposed conservatory is a small-scale domestic extension. It incorporates reused UPVC frames (lower embodied carbon), double-glazed units meeting current standards, natural ventilation provision, and LED lighting. The proposal complies