

CLIMATE CHANGE STATEMENT - REVISED

Field Head Barn, Bent Road, Hepworth, Holmfirth, HD9 1TS

Application reference: 2026/92810

Applicant	Mr Richard Pogson
Development	22 ground-mounted solar PV panels (11.22 kWp) arranged as two separate 1-in-portrait rows of 11 panels, underground cabling, inverter and 5.8 kWh battery within existing building.

Q1: Reducing energy demand

The proposal creates no additional building energy demand. The 11.22 kWp array will reduce grid electricity demand at the existing property, with 5.8 kWh battery storage increasing on-site use of daytime generation.

Q2: Limiting construction carbon

The modular steel system uses ground-screw foundations, avoiding conventional concrete pads and limiting excavation. The system is mechanically assembled, removable and capable of reinstatement. Suitable excavated trench material will be reused for backfilling.

Q3: Renewable or low-carbon energy

The development is specifically for renewable-energy generation: 22 AIKO 510 W modules, arranged as two single-panel-high rows of 11, with total installed capacity of 11.22 kWp. Indicative generation is approximately 9.3 MWh/year, subject to final installer/MCS assessment.

Q4: Building design and layout

No new building is proposed. The revised layout uses two separate single-panel-high rows, reducing array height and visual mass. Panels are mounted at 20 degrees on the Solarport 1-in-portrait twin-post system. Inverter and battery equipment are inside an existing building.

Q5: Flooding

The proposal introduces minimal impermeable area at ground level. Rainfall will discharge from the panels to vegetated ground and infiltrate naturally. Ground screws avoid extensive concrete bases or hardstanding.

Q6: Water stress

The solar installation will not consume water during normal operation and creates no new potable-water demand.

Q7: Biodiversity

The development footprint is limited and the ground beneath and around the two rows will remain vegetated. Ground screws minimise soil disturbance, existing field boundaries are retained and no operational lighting or foul discharge is proposed.

Q8: Air pollution

The PV array generates electricity without combustion or operational exhaust emissions and creates no routine traffic movements. Construction effects are temporary and limited to normal installation activity.

Proportionality note

This statement is proportionate to a small ground-mounted renewable-energy installation rather than a new occupied building.