

# Carbon Reduction Plan

Supplier name: Bury College

Publication date: 31/12/2025

## Commitment to achieving Net Zero

Bury College is committed to achieving Net Zero emissions by 2050.

## Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

### Baseline year: 2024 / 2025 (1 Aug 2024 to 31 July 2025)

#### Additional details relating to the baseline emissions calculations:

The baseline year represents Bury College's first full year of collating emissions data in line with PPN 006 requirements. It provides the foundation for tracking progress towards our carbon reduction targets and will be refined as data quality and Scope 3 coverage improve.

Baseline year emissions:		Total (tCO <sub>2</sub> e)
<b>Scope 1</b>	Stationary combustion – Gas for heating	581.0
	Mobile combustion – College owned buses	0.7
<b>Scope 2</b>	Purchased electricity (Location-based)	471.6
<b>Scope 3</b>	Fuel and Energy Related Activities	147.2
	Upstream Transportation and Distribution	0
	Waste generated in operations	8.8
	Business Travel – Staff expensed miles	4.0
	Employee commuting – Staff commuting	377.5
	Downstream transport & distribution – School coaches	43.0
<b>Total emissions</b>		<b>1,633.8</b>

## GHG Scope 3 Emission review

In line with the PPN 006 Technical Standard, the College has reviewed the five mandatory Scope 3 categories defined by the Greenhouse Gas Protocol as Categories 4, 5, 6, 7 and 9. Data has been included for four categories within the baseline year, with exclusions clearly stated where data is not currently available.

- **Category 4 – Upstream transportation and distribution** have not been calculated due to data limitations, as emissions from upstream transport of purchased goods are not currently recorded. Where appropriate, these emissions may be incorporated within Category 1 purchased goods and services in future years to avoid double counting.
- **Category 5 – Waste generated in operations** includes domestic waste and associated water treatment emissions, calculated using measured waste data and UK Government emission factors.
- **Category 6 – Business travel** includes staff travel in non-College owned vehicles, including rail, taxi and private car travel, calculated using recorded mileage and travel mode data.
- **Category 7 – Employee commuting** is included. As primary commuting data was not available for the baseline year, emissions were estimated using employee numbers and assumptions from the National Travel Survey 2023.
- **Category 9 – Downstream transportation and distribution** include student return travel to school based on coach mileage data. This is in line with align with the Standardised Carbon Emissions Reporting Framework – Version 3.0 (December 2022), developed by the Alliance for Sustainability Leadership in Education (EAUC) and funded by the Department for Education.
- In addition to these requested categories, Category 3 - Fuel and energy related activities (not included in Scope 1 or Scope 2) has been reported voluntarily to improve completeness of the emissions profile and alignment with best practice.

The College recognises that Scope 3 emissions represent a significant proportion of its overall carbon footprint and will continue to improve data quality and coverage over time, with a view to expanding Scope 3 reporting as organisational maturity and data availability increase.

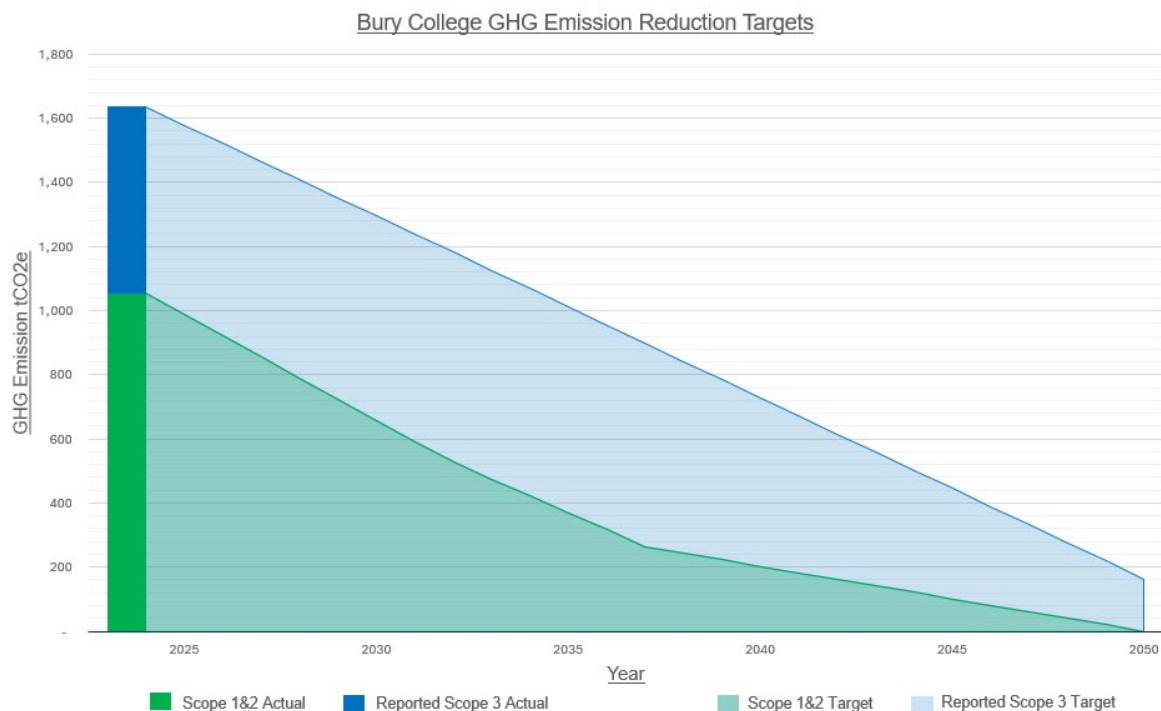
## Emissions reduction targets

Bury College is committed to achieving Net Zero greenhouse gas emissions by 2050, in alignment with the UK Government target, the Department for Education's decarbonisation pathway, and the Science Based Targets initiative (SBTi) Net Zero Standard. The defines Net Zero as a 90% reduction in emissions from the baseline year, with the remaining 10% or less neutralised through high-quality, permanent carbon removal.

In line with the Department for Education’s (DfE) pathway and national climate goals, Bury College has also set the following interim targets against the 2023-2024 baseline for Scope 1 and 2 emissions:

- 50% reduction by 2032
- 75% reduction by 2037

Progress against these targets will be reviewed annually, with opportunities identified to accelerate emissions reductions as data quality improves and sector guidance evolves. The near- and long-term emissions trajectory is illustrated in the pathway below.



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures have been completed or implemented since the 2024-2025 baseline. These measures contribute to reduced energy consumption and associated carbon emissions and will remain in effect during the contract period:

- **LED lighting upgrade:** Approximately 2,000 lamps and/or light fittings replaced with high-efficiency LED alternatives over the past 12 months.
- **Lighting controls:** Passive Infrared (PIR) lighting sensors installed in most locations to ensure lighting is only active when needed, further reducing electricity consumption.

## Planned Future Carbon Reduction Initiatives

Bury College intends to implement a programme of measures to accelerate progress towards Net Zero, focused on reducing direct emissions, improving energy efficiency, and strengthening Scope 3 data coverage. Planned initiatives include:

- **Heating system decarbonisation and electrification:** Assess and implement high-efficiency Air Source Heat Pump (ASHP) systems and explore broader electrification options to replace traditional gas-fired heating.
- **Building fabric upgrades:** Improve thermal performance by upgrading windows, cladding, roofing systems, and insulation.
- **Renewable electricity procurement:** Transition to electricity backed by Renewable Energy Guarantees of Origin (REGO) certification to ensure all purchased electricity is sourced from verified renewable generation.
- **Solar photovoltaic (PV) optimisation:** Review and, where feasible, repair or upgrade the existing PV system to maximise on-site renewable generation.
- **High-efficiency equipment upgrades:** Invest in high-performance electrical equipment to reduce energy demand and support sustainability objectives.
- **Lighting system improvements:** Continue the phased upgrade of remaining lighting systems to LED with integrated controls.
- **Employee commuting emissions:** Improve the accuracy of Category 7 (Employee commuting) data through enhanced local data collection and implement measures to support low-carbon travel, such as promoting active travel, public transport, and EV charging.
- **Category 1 emissions assessment:** Investigate emissions from Purchased Goods and Services (Category 1) to capture additional upstream impacts and close current reporting gaps.
- **Low-carbon procurement practices:** Embed sustainability criteria into procurement processes to favour suppliers with robust carbon reduction commitments and transparent reporting.

Together, these initiatives support delivery of Bury College's emissions reduction pathway by targeting the most significant operational sources of carbon, strengthening Scope 3 data maturity, and embedding carbon considerations into investment and procurement decisions. Measures will be prioritised based on emissions impact, cost effectiveness and deliverability, with progress reviewed annually to ensure continued alignment with the DfE decarbonisation milestones and the College's Net Zero targets.

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### Signed on behalf of the Supplier:



Tracy Pullein - Vice Principal Finance & Corporate Resources

29/01/2026

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<sup>1</sup><https://ghgprotocol.org/corporate-standard>

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>