

Carbon Reduction Plan

Supplier name: Bedford College

Publication date: 18/12/2024

Commitment to achieving Net Zero

The Bedford College Group is committed to achieving Net Zero emissions by 2042.

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: 2018-19	
Additional Details relating to the Baseline Emissions calculations.	
At this point the estate of the college measured 88,613m ² . This gave an equivalent of 42.18kg co ₂ e per m ² . This was pre merger with Tresham College or central Bedfordshire College. Scope 3 emissions include staff travel on behalf of work, water consumed and waste water treatment.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	1,901
Scope 2	1,693
Scope 3 (Included Sources)	144
Total Emissions	3,738

Current Emissions Reporting

Reporting Year: 2023-24	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1,675
Scope 2	1,500
Scope 3 (Included Sources)	39
Total Emissions	3,215

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 2,322tCO₂e by 2028-29. This is a reduction of 28% from that of 2023-24

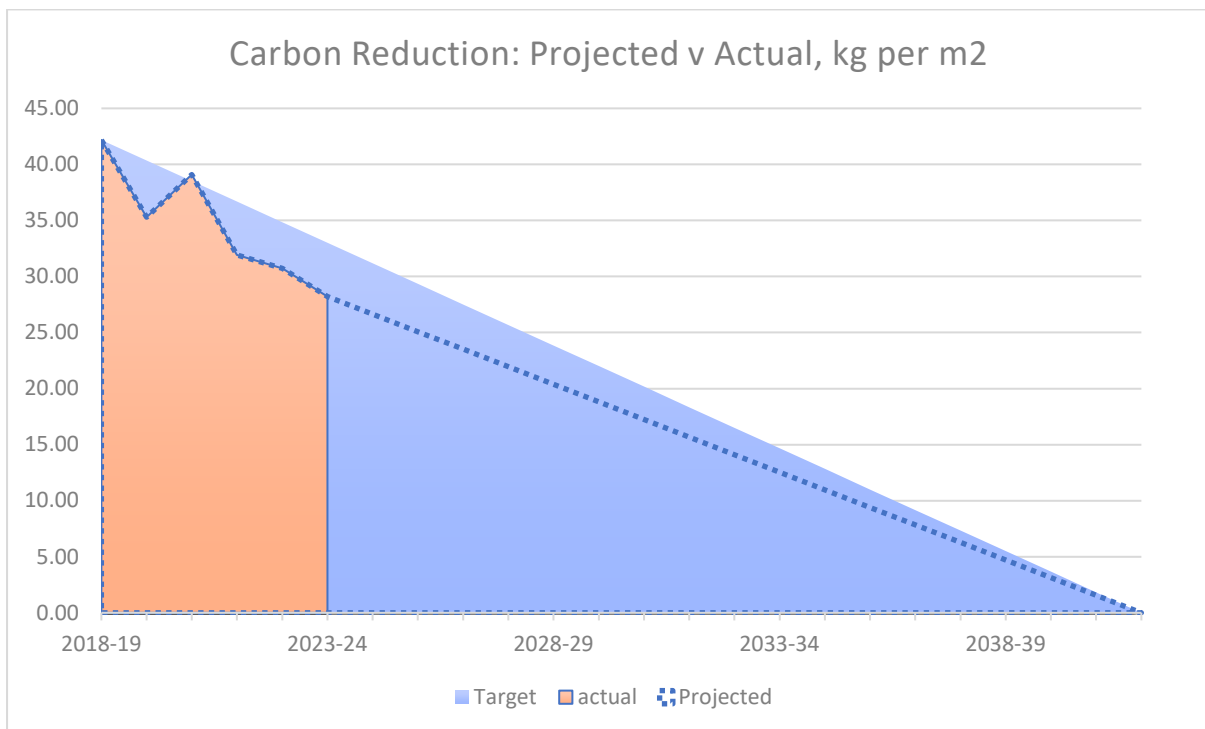
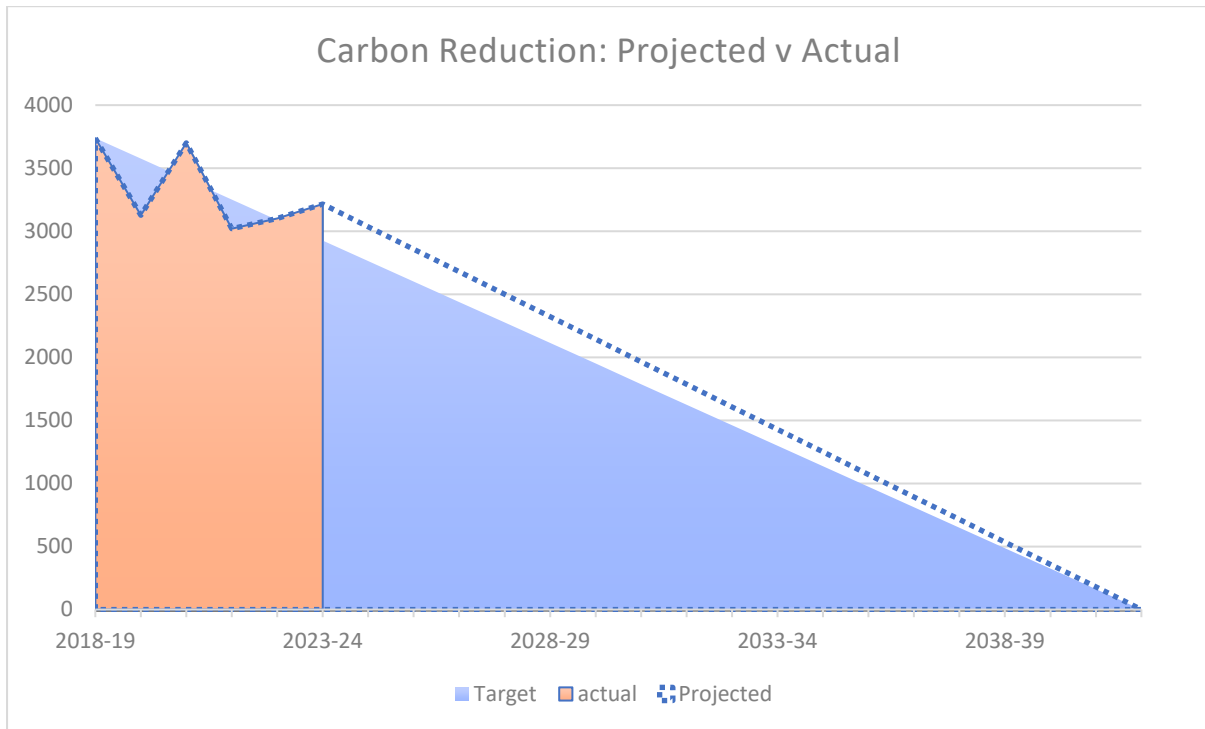
In ten years, we predict our emissions will be 1,429 tCO₂e, a reduction of 56% from 2023-24.

Our estate has grown due to mergers and new operations, so a more telling measure is our carbon emissions per m², which has fallen quicker than targeted and as at 2023-24 was 28.22kg CO₂e per m², from a baseline of 42.18kg CO₂e per m²

We project that this will reduce to 20.38kg CO₂e per m² in five years and 12.54 kg CO₂e per m² in ten years. These are reductions of 28% and 56% from 2023-24 respectively.

The projected figures assume a constant size of estate equivalent to that of 2023-24.

Progress against these targets can be seen in the graphs below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the **2018-19** baseline.

Carbon reduction schemes across sites.

Decarbonisation of The Bedford Sixth Form, including installation of Air Source Heat Pumps

Refurbishment of Construction Centre at Bedford, becoming Net Zero in Operation.

Decarbonisation of Tower Block in Bedford, including connection to River Water Heat Pumps

Opening of Corby Sixth Form as a Net Zero in Operation site.

Opening of Kingshill Farm T Level Centre as a Net Zero in Operation site.

The carbon emission reduction achieved by these schemes equate to 523 tCO₂e, a 14% reduction against the 2018-19 baseline, during which the estate has grown in size by 29%

The kg CO₂e per m² has fallen from 42.18kg to 28.22kg, a reduction of 33%.

In the future we hope to implement further measures such as:

Further decarbonisation schemes

Replacement of lights with LED Lighting

Declaration and Sign Off

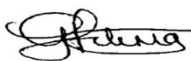
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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:



Date: 18.12.24

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

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

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