

enistic

Carbon Report

Report includes Scope 1, Scope 2 and 5 x Scope 3 categories, as outlined in the PPN 06/21 reporting standard.

**& Abingdon
& Witney
College**

Produced by Enistic Limited

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Commercial in confidence

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Introduction

On Monday 20th March 2023, António Guterres, Secretary-General of the United Nations, said, “the world is rapidly approaching catastrophic levels of heating with international climate goals set to slip out of reach unless immediate and radical action is taken”. “The climate time-bomb is ticking” and “humanity is on this ice – and that ice is melting fast.”

The report, released by the U.N. Intergovernmental Panel on Climate Change (IPCC), draws on the findings of hundreds of scientists to provide a comprehensive assessment of how the climate crisis is unfolding. It concludes that the world is likely to pass a dangerous temperature threshold within the next 10 years, pushing the planet past the point of catastrophic warming unless nations drastically transform their economies and immediately transition away from fossil fuels. This is one of the most definitive reports ever published about climate change, showing that we all need to work together to protect the planet.

Researchers found that the world is on the brink of 1.5 degrees Celsius of warming, meaning it is close to surpassing an internationally agreed-upon threshold for climate warming. The current trajectory is for a 2.2 to 2.4°C warming. Beyond that threshold, scientists have found, climate disasters will become so extreme that people will not be able to adapt. In fact, this amount of warming will threaten coral reefs, melt ice sheets, and contribute to sea level rise. We will see heat waves, famines, and more infectious diseases spread, claiming millions of additional lives by the end of the century.

In 2019, the UK became the first major economy to pass a Net Zero emissions law, meaning the UK government is now legally required to reach Net Zero emissions by 2050. When the UK government published its procurement policy note 06/21 (PPN 06/21), it was clear that businesses should focus on building back the economy in a sustainable fashion.

Scope of works

This document serves as an overview of Abingdon and Witney College carbon use for the relevant scoping period. The period covered by this report is Mon 1st Jan 2024 to Tue 31st Dec 2024.

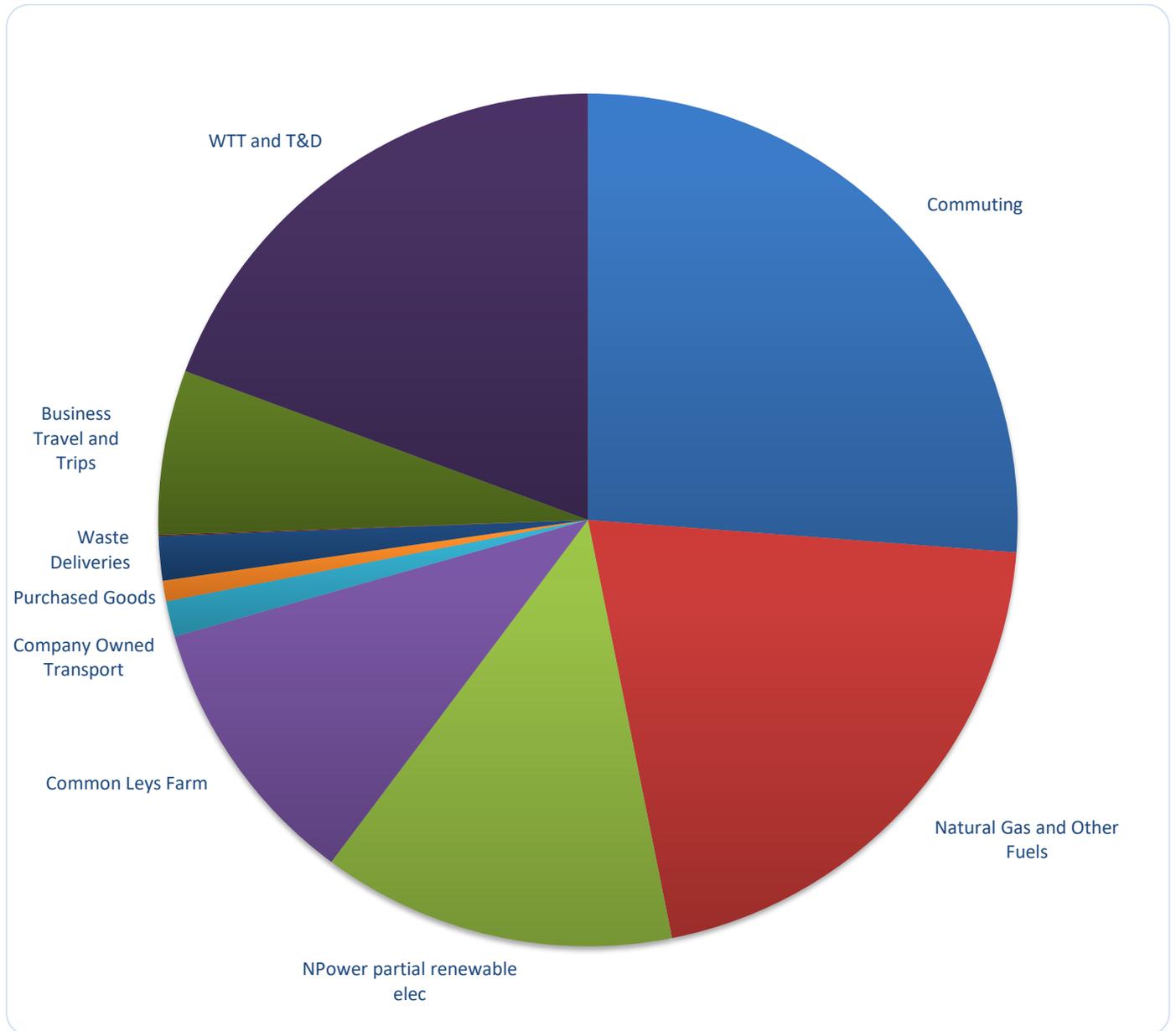
Sites Within Scope

Site	Estate size (sqft)	Description	Tenure
Abingdon Campus	152,183	College Campus	Owned, in scope
Bicester Construction Skills Centre	13,745	College Campus	Leased or rented, in scope
Common Leys Farm	62,706	College Campus	Owned, in scope
Witney Campus	72,603	College Campus	Owned, in scope
Total applicable estate size	301,237		
Number of sites	4		

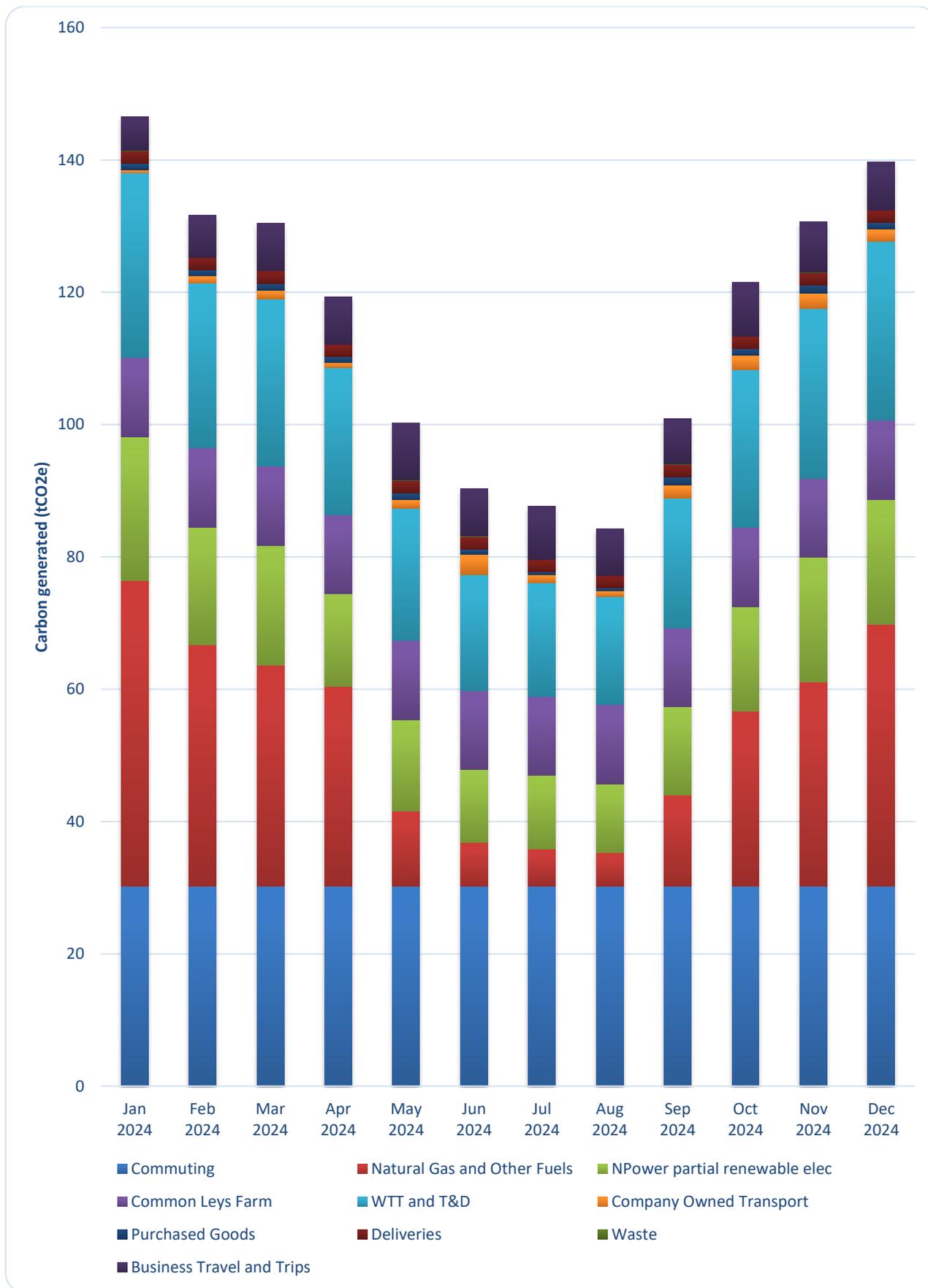
Carbon Footprint

1,384 tCO₂e

Emission categories making up your carbon footprint



Breakdown Of Your Carbon Footprint Over Time (tCO2e)



Breakdown of your carbon footprint over time (data in tCO2e)

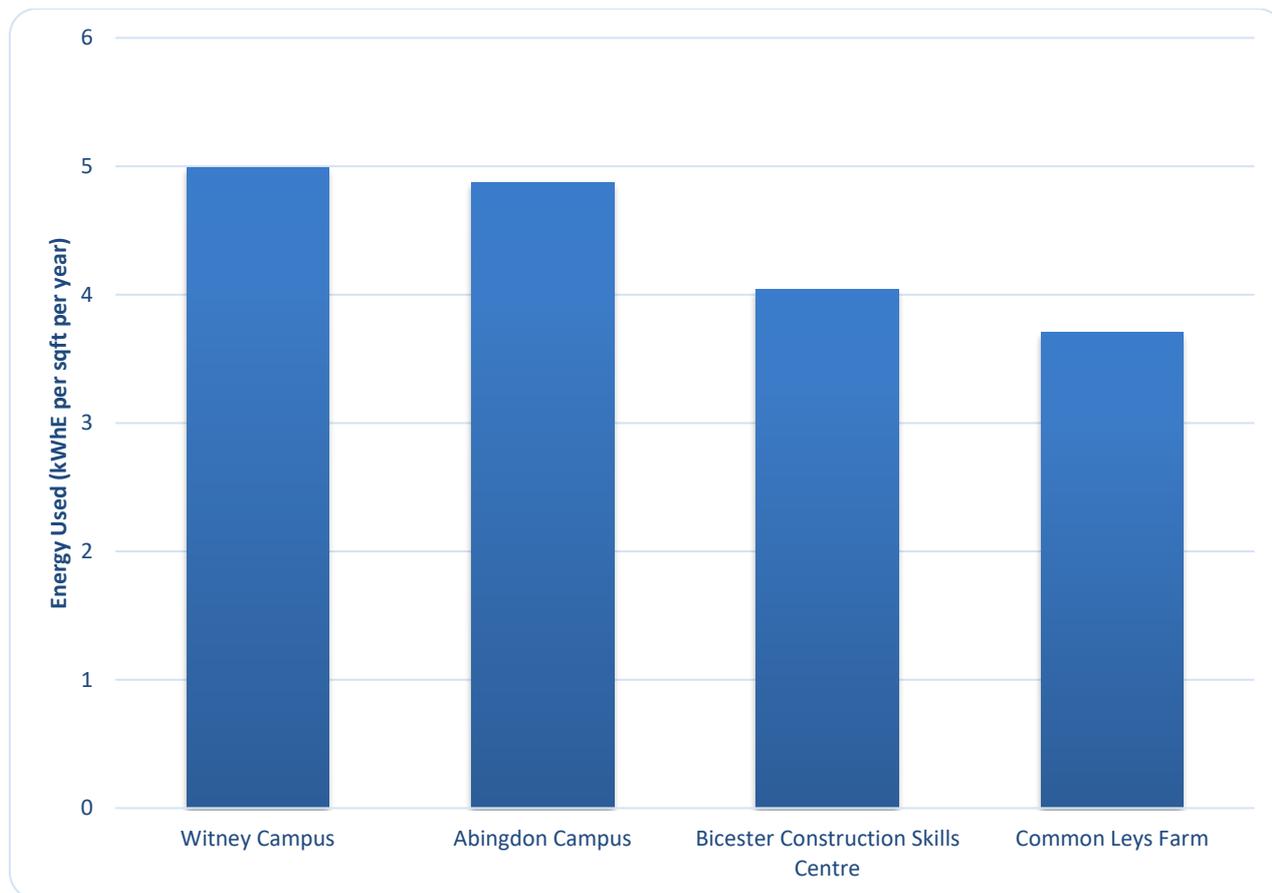
Source	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Total
Commuting	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	362.9
Natural Gas (kWh)	41.1	31.9	30.1	28.3	11.3	6.6	5.6	5.1	8.7	21.8	30.9	31.1	252.6
NPower partial renewable (kWh)	21.7	17.7	18.1	14.0	13.8	11.0	11.1	10.4	13.3	15.8	18.8	18.8	184.4
Common Leys Farm	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	144.0
Commuting - Medium cars - Petrol (WTT)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	101.5
NPower partial renewable (kWh) (WTT)	8.2	6.7	6.8	5.3	5.2	4.1	4.2	3.9	5.0	6.0	7.1	7.1	69.4
Foreign Trips	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	51.2
Natural Gas (kWh) (WTT)	6.8	5.3	5.0	4.7	1.9	1.1	0.9	0.8	1.4	3.6	5.1	5.1	41.7
Staff mileage	0.2	1.6	2.4	2.3	3.8	2.4	3.2	2.2	2.1	3.5	2.9	2.5	29.3
NPower partial renewable (kWh) (T&D)	3.0	2.5	2.5	1.9	1.9	1.5	1.5	1.4	1.8	2.2	2.6	2.6	25.5
Deliveries	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	23.1
Kerosene (litres)	2.5	0.0	3.3	0.0	0.0	0.0	0.0	0.0	5.1	4.6	0.0	6.7	22.2
Staff mileage - Medium car 1.4-2.0 litre petrol (WTT)	0.1	0.7	1.1	1.0	1.7	1.1	1.4	1.0	0.9	1.6	1.3	1.1	13.2
Large Van over 2.0 litre diesel	0.5	0.8	1.3	0.5	0.9	2.0	0.5	0.2	1.5	1.7	1.4	1.2	12.4
LPG (litres)	2.6	4.6	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	11.0
Sheets of A4 paper	0.9	0.8	0.8	0.7	0.8	0.6	0.3	0.3	1.0	0.9	1.1	0.8	9.0
Hotel Stays	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.6
Deliveries (WTT)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5.6
Large car over 2.0 litre diesel	0.0	0.2	0.0	0.2	0.4	0.7	0.6	0.7	0.4	0.5	0.9	0.6	5.2
Kerosene (litres) (WTT)	0.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.0	1.4	4.6

Large Van over 2.0 litre diesel (WTT)	0.1	0.2	0.3	0.1	0.2	0.5	0.1	0.0	0.4	0.4	0.3	0.3	3.0
Water purchased	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	1.8
LPG (litres) (WTT)	0.3	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3
Large car over 2.0 litre diesel (WTT)	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	1.3
Medium car 1.7-2.0 litre diesel	0.0	0.1	0.0	0.1	0.0	0.4	0.1	0.0	0.1	0.0	0.1	0.1	1.1
Waste	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.6
Medium car 1.7-2.0 litre diesel (WTT)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Coach Trips	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Coach Trips (WTT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Working from home	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	146.6	131.7	130.4	119.3	100.4	90.5	87.8	84.2	100.8	121.6	130.7	139.9	1,384.0

Breakdown of your carbon footprint by Scope

	Calendar 24	Percentage of total footprint
Scope 1	449	32%
Scope 2	184	13%
Scope 3	751	54%

League table of your energy use (electricity only)



Benchmarks of your energy use

Site	Building Type	Estate size (sqft)	Electricity use (kWhE)	Electricity used (kWhE / sqft / year)	Percentage of average	Your rating
Common Leys Farm	School Campus	62,706	232,557	3.7	50%	B - Good
Bicester Construction Skills Centre	School Campus	13,745	55,491	4	54%	B - Good
Abingdon Campus	School Campus	152,183	741,026	4.9	66%	B - Good
Witney Campus	School Campus	72,603	362,343	5	67%	B - Good

Energy saving measures

We are committed to responsible carbon management and will practise energy efficiency throughout our organisation, wherever it's cost effective. We recognise that climate change is one of the most serious environmental challenges currently threatening the global community and we understand we have a role to play in reducing greenhouse gas emissions.

We are considering the implementation of the following policies for the purpose of increasing the businesses energy efficiency and reducing our emissions.

Switch to 100% renewable electricity suppliers:

- As part of our commitment to achieving net zero, the college will transition to procuring 100% of its electricity from certified renewable energy suppliers. This switch will ensure that all purchased electricity is backed by Renewable Energy Guarantees of Origin (REGO) certificates or equivalent, verifying its source from wind, solar, or other low-carbon generation. We will review and update our procurement contracts to prioritise suppliers that demonstrate strong environmental performance and transparency. This policy will further reduce our Scope 2 emissions and align our operations with our broader sustainability objectives.

Delivery management

- To better understand and manage emissions from deliveries, the college will implement a system to monitor the volume, frequency, and type of deliveries across all departments. As current deliveries are not centrally managed, we will introduce a simple reporting mechanism—such as a shared delivery log or online form—for departments to record key information including supplier, delivery type, and frequency. Where possible, data from finance and procurement systems will be used to identify high-volume suppliers and estimate associated transport emissions using standard emissions factors. Over time, this will support the development of policies to consolidate deliveries, engage low-emission couriers, and reduce the carbon impact of goods transport to campus.

Waste prevention

- The college will take a structured approach to reducing emissions from waste by improving waste prevention, separation, and disposal practices across campus. We will prioritise waste reduction at source through procurement policies that favour reusable, recyclable, and minimal-packaging products. Enhanced recycling and composting facilities will be made widely available, alongside clear signage and student/staff engagement campaigns to promote correct usage where not already implemented. Regular waste audits will be conducted to identify key waste streams and track progress, with a focus on reducing food waste through better planning and portion control in catering operations. Where disposal is unavoidable, we will work with waste contractors who offer low-carbon treatment options, and emissions will be estimated annually using DEFRA or GHG Protocol waste emissions factors.

Paper reduction

- To reduce emissions and resource use associated with paper consumption, the college will adopt a paper reduction strategy focused on digital-first practices, behaviour change, and procurement controls. Key actions include promoting the use of digital learning platforms, encouraging electronic submission and marking of assignments where appropriate, and transitioning administrative processes to paperless systems wherever possible. Staff and students will be encouraged to print only when necessary, with default settings set to double-sided and black-and-white printing across all college devices. The college will also implement monitoring of print volumes by department to identify high-use areas and target interventions. Where paper is still required, we will ensure it is sourced from recycled or FSC-certified stock and will regularly review usage to drive continuous improvement.

Commuting

- To reduce commuting emissions, the college will promote the usage of the government Cycle-to-work scheme, as well as offering repair service days on site. Annual commuting surveys will monitor travel patterns and emissions, informing targets and engagement initiatives such as carbon calculators and green travel challenges to foster community participation in lowering our commuting carbon footprint.

Carbon reduction targets

We recognise the UK Government’s legally binding goal to reach net zero emissions by 2050, and we are actively implementing the above emission reduction plans that will contribute towards this national ambition.

The below graph depicts the linear reduction required to reach net zero by 2050.

Emissions reduction graph

The following graph represents your historic carbon emissions against a linear reduction to Net Zero by 2050.

