Streamlined energy and carbon reporting for Northampton College Academic Year 2024 - 2025

Booth Lane Campus – Photo Voltaic cells fitted to three blocks. Additional panels have also been added to four further blocks or buildings and now total 779Kw.

The Streamlined Energy and Carbon Reporting framework (SECR) is a package of regulations published by the then Department for Business, Energy and Industrial Strategy (BEIS) that came into effect from 01 April 2019. It is not a statutory requirement for FE colleges to report carbon emissions but as part of the College's commitment to sustainability and climate action we review and publish data on an annual basis.

Introduction

Northampton College embraces its responsibility for environmental sustainability, where the needs of the present do not compromise future generations.

The College is committed to developing environmentally sustainable practices both in relation to its own carbon impact and knowledge sharing.

The College has undergone significant Estates development which encompasses the use of energy efficient and sustainable materials as well as responsible practices.

Part 1: Descriptive information

Name of the company	Northampton College
Description of the company	Further & Higher Education College
Chosen consolidation approach	Operational Control
The reporting period covered	August 2024 – July 2025
The year chosen as base year	August 2021 – July 2022
Rationale for choosing the base year	The college estate has been significantly redeveloped over the last 14 years and was developed using BREAM Very Good as its target. The chosen base year was the first complete post-COVID lockdown operating year.

Part 2: Greenhouse gas emissions for 2024-2025

UK Greenhouse gas emissions and energy use data for the period	1 August 2021 to 31 July 2022	1 August 2024 to 31 July 2025	Variation %
Energy consumption used to calculate emissions	**Base Year**		
Gas (kWh)	7,110,152	5,809,361	**-18%**
Electricity (kWh)	3,476,642	3,015,748	**-13%**
Transport Fuel owned (miles)*	8,085	11,984	**48%**
Transport Fuel staff claims (miles)*	117,565	135,811	**16%**
<u>Scope 1 emissions in metric tonnes CO2e</u>			
Gas consumption	1,298	1,062	**-18%**
Owned transport	2.64	3.61	**37%**
Total	**1,221**	**1,066**	**-13%**
<u>Scope 2 emissions in metric tonnes CO2e</u>			
Purchased electricity	738.2	624.4	**-15%**
<u>Scope 3 emissions in metric tonnes CO2e</u>			
Business travel in employee-owned vehicles	59.7	40.9	**-31%**
<u>Total gross emissions in metric tonnes CO2e</u>	**<u>2,018</u>**	**<u>1,731</u>**	**-14%**
Intensity ratio			
No of Student FTE's –	4,795	5,898	**23%**
No of Staff FTE's -	476	518	**9%**
Floor area m² -	43,452	43,977	**1%**
Metric tonnes CO2e per			
Student (FTE)	0.42	0.29	**-30%**
Staff member (FTE)	4.24	3.34	**-21%**
Or by floor area (m2)	0.05	0.04	**-14%**

Scopes Explained

Definitions	**Report as minimum**	
Scope 1 - direct GHG emissions	Emissions from activities owned or controlled by the corporation that release omissions into the atmosphere. Examples include emissions from combustion in owned or controlled boilers, vehicles.	Emissions from gas and transport fuel combustion.
Scope 2 - energy indirect emissions	Emissions from own consumption of purchased electricity, heat, steam and cooling. These are a consequence of the corporation's activities but are from sources not owned/controlled.	Emissions from purchased electricity.

Definitions	Report as minimum	
Scope 3 - other indirect emissions	Emissions because of the corporation's actions where the source is not owned or controlled. For example, business travel in private cars.	Energy use and related emissions from business travel in hire or employee-owned vehicles where staff purchase the fuel.

Measures taken to improve energy efficiency

Northampton College will endeavour wherever possible and practical to reduce its impact on the environment and will actively promote the implementation of environmentally friendly policies and practices in all areas of activity.

It will aim to introduce a corporate culture whereby environmental issues are considered equally with all other aspects of the College's business.

The college has developed a detailed plan to reduce energy usage, including:
- Refurbishment of the BMS system to improve efficiency
- Reducing plant run times
- Maintaining ambient temperatures
- Switching off cooling systems for extended periods throughout the year
- Replacing cat 2 lighting with LED
- Switching off IT equipment when not in use
- Switching off 'Standby' when not in use
- Replacing equipment, where possible, with energy efficient replacements.

Further measures will be set out in our Climate Action Road Map, and we are reviewing the scope to expand the College's reporting in future years, including of other Scope 3 emissions and the College's generation of renewable energy. The systems and processes used to support these calculations were independently assured in 2023/24.

Information Sources
SME Carbon Footprint Calculator | The Carbon Trust
Streamlined energy and carbon reporting for college corporations - GOV.UK (www.gov.uk) – the latest government conversion factors have been used in these calculations.