



Streamlined Energy and Carbon Reporting (SECR)

Financial Year 2023-24

Greenhouse gas emissions and energy use data for the period 1 August 2023 to 31 July 2024	Reporting year 2023 to 2024	Comparison reporting year 2022 to 2023
Energy consumption used to calculate emissions (kWh)	2,379,383.80	2,532,017.88
Energy consumption breakdown (kWh)		
Gas	888,359.00	1,038,745.00
Electricity	1,481,328.00	1,487,437.00
Transport fuel	9,696.80	5,835.88
Scope 1 emissions in metric tonnes CO2e		
Gas consumption	162.48	190.02
Owned transport - mini-buses	0.99	0.33
Total Scope 1	163.47	190.35
Scope 2 emissions in metric tonnes CO2e		
Purchased electricity	306.71	308.01
Scope 3 emissions in metric tonnes CO2e		
Business travel in employee owned vehicles	1.44	1.10
Total gross emissions in metric tonnes CO2e	471.62	499.46
Intensity ratio		
Tonnes CO2e per member of staff	1.65	1.90
Tonnes CO2e per student	0.14	0.14

Quantification and Reporting Methodology

We have followed the 2019 HM Government Reporting Guidelines. We have also used the GHG Reporting Protocol - Corporate Standard and have used the 2024 UK Government's Conversion Factors for Company Reporting.

Intensity measurement

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO2e per staff member, the recommended ratio for the sector. We have also shown the emissions per full time student, a measure used in the school and academy sector.

Measures taken to improve efficiency

We have implemented a range of behaviour change initiatives to drive down energy consumption, including regular end of day spot checks to reduce overnight energy waste. All students now receive Carbon Literacy training as a core part of their education with us, which has been proven to reduce energy consumption. We have worked with our building management system provider to minimise energy consumption, particularly out of hours.

Noted changes during reporting period

Work on the college expansion programme began during this reporting period, and as such electrical demand during this period also increased. This increase is not directly measurable, but is reflected in the total electricity consumption, meaning the true electricity demand from our core operations as a college, as comparable to previous years, has fallen further than the data demonstrates.