

**Streamlined Energy and Carbon Reporting (SECR)
Financial Year 2020-21**



Greenhouse gas emissions and energy use data for the period 1 August 2020 to 31 July 2021 - UK	Current reporting year 2020 to 2021	Comparison reporting year 2019 to 2020
Energy consumption used to calculate emissions (kWh)	2,865,728	2,418,914
Energy consumption breakdown (kWh)		
Gas	1,316,409	1,031,748
Electricity	1,548,322	1,381,078
Transport fuel	997	6,088
Scope 1 emissions in metric tonnes CO2e		
Gas consumption	241.11	188.97
Owned transport - mini-buses	0.06	0.32
Total scope 1	241.17	189.29
Scope 2 emissions in metric tonnes CO2e		
Purchased electricity	328.76	293.24
Scope 3 emissions in metric tonnes CO2e		
Business travel in employee owned vehicles	0.16	0.97
Total gross emissions in metric tonnes CO2e	570.09	483.5
Intensity ratio		
Tonnes CO2e per member of staff	1.76	1.74
Tonnes CO2e per student	0.16	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 2021 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

Air conditioning life cycle replacement leading to a reduction of 50-75% power consumption in Ball building. Ellis & Kennedy building switched over to LED lighting leading to reduction in electrical consumption. Upgrades to the BMS are being phased in to improve controls for heating and ventilation. New lift installed in Ward building uses 40% less energy than previous lift.

Covid impact - Increase in energy consumption for gas and electricity as windows required to be open for ventilation and College closed for less time in 2020/21. Reduction in business mileage due to restrictions with most meetings held remotely and staff development sessions delivered remotely. College trips programme for students significantly reduced, therefore less mileage for minibuses.