

STREAMLINED ENERGY & CARBON REPORTING
South Devon College 2021-22

The Streamlined Energy and Carbon Reporting framework (SECR) is a Government set of regulations that came in force April 2019 and aims to harmonise carbon reporting and leave it consistent with financial reporting years. It will also make it easier to monitor and achieve reductions in carbon and cost each year.

Introduction

South Devon College is fully committed to SECR and to promoting and advancing environmental sustainability and published its Sustainability Strategy in 2021 to support its challenging ambition to achieve a net zero carbon footprint from the college Estate by 2030.

In line with the ESFA guidance on SECR, the College has published its data in the standard format below and, in addition (starting from 2020-2021), publishes comparative data as required by the regulations.

The College have followed the approved methodology for Green House Gas (GHG) Reporting Protocol and uses the Government conversion factors for company reporting. The conversion factors are updated annually and are generally released each year in June. The College has used the required 2022 conversion factors for the 2021 to 2022 financial year.

Greenhouse gas emissions and energy use data for the period 1 August - 31 July	Current reporting year 2021 to 2022	Comparison reporting year 2020 to 2021	Comparison reporting year 2019 to 2020
Energy consumption used to calculate emissions (kWh)	7,517,417	8,082,770	5,808,133
Energy consumption break down (kWh)			
Gas	4,215,496	4,943,062	2,889,791
Electricity	3,141,625	3,034,340	2,689,839
Transport Fuel	160,296	105,368	228,503
Scope 1 emissions in metric tonnes CO₂e			
Gas consumption	769.50	905.37	531.35
Owned transport	11.33	8.87	14.67
Total scope 1	780.83	914.24	546.02
Scope 2 emissions in metric tonnes CO₂e			
Purchased electricity	607.53	644.28	628.24
Scope 3 emissions in metric tonnes CO₂e			
Business travel in employee owned vehicles	22.29	12.08	34.55
Total gross emissions in metric tonnes CO₂e	1,410.65	1,570.60	1,208.81
Intensity ratio (FTE staff)			
Tonnes CO ₂ e per member of staff	2.01	2.73	2.20

Quantification and reporting methodology

We have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2022 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.

Measures taken to improve energy efficiency

We have replaced aging minibuses with new more fuel efficient buses. A reduction in fresh air mechanical ventilation and increased recirculation towards the end of the reporting year (following the relaxation of COVID ventilation guidelines) has also led to gas and electricity consumption beginning to decrease again. Salix and FECTF funding has been secured during 2021-22 which should lead to reducing CO₂e emissions as a result of low carbon heating from April 2023, and a more efficient thermal envelope from September 2023.