



Schools for all the talents
The Canterbury Academy

The Canterbury Academy – Streamlined Energy and Carbon Reporting (SECR) 2020

The Climate Change Act 2008 introduced the UK's first legally binding target for 2050 to reduce greenhouse gas emissions by at least 80% compared to 1990 levels. Due to strong progress between 1990 and 2017, the UK reduced its emissions by 42% while growing the economy by more than two thirds. However, the need to go further was recognised. On 27 June 2019 the UK government amended the Climate Change Act and set a legally binding target to achieve net zero greenhouse gas emissions from across the UK economy by 2050. This world-leading target is designed to end the UK's contribution to climate change.

The Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 implement the government's policy on Streamlined and Carbon Reporting (SECR).

These regulations are designed to increase awareness of energy costs within organisations, provide them with data to inform adoption of energy efficiency measures and to help them reduce their impact on climate change. They also seek to provide greater transparency for stakeholders.

The Education and Skills Funding Agency (ESFA) has confirmed with the Department for Business, Energy and Industrial Strategy (BEIS) that academy trusts are within the scope of the legislation.

For academy trusts, disclosure is required for the first time in the 2019/20 accounts. Prior year equivalent figures are also required to be disclosed for comparison, but are not mandatory for the first year.

What are the size criteria for reporting?

The 2018 Regulations require large unquoted companies that have consumed more than 40,000 kilowatt-hours of energy in the reporting period to include energy and carbon information within their directors' (trustees') report, for any period beginning on or after 1 April 2019.

Businesses are in scope of the requirement for a financial year if they exceeded two or all of the thresholds for qualifying as a large company under the Companies Act 2006 (section 465 and 466). The thresholds relate to turnover, balance sheet total and average number of employees.

At the time of publication, these thresholds are:

- £36 million annual turnover
- £18 million balance sheet total
- 250 employees

UK Greenhouse gas emissions and energy use data for the period 1 September 2019 to 31 August 2020	2019/20
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Energy consumption used to calculate emissions (kWh)	2,807,315
Energy consumption breakdown (kWh)	
<ul style="list-style-type: none"> • Gas • Electricity • Oil • Transport fuel 	1,876,136 758,251 103,319 69,609
Scope 1 emissions in metric tonnes CO ₂ e	
Gas	344.97
Heating Oil	25.48
Transport fuel – Leased Minibuses	161.24
Total Scope 1	531.69
Scope 2 emissions in metric tonnes CO ₂ e	
Purchased electricity	176.78
Scope 3 emissions in metric tonnes CO ₂ e	
Business travel in employee owned vehicles	1.56
Total gross emissions in metric tonnes CO ₂ e	710.03
Intensity ratio tonnes CO ₂ e per pupil	0.34

Emissions outside of scopes

We are reporting fuel consumption of our minibuses under Scope 1 as we have operational control over them. This in turn requires us to report an element of the standard forecourt diesel – the biofuel element, as ‘outside of scope’ as per the ‘WBCSD/WRI GHG Protocol (chapter 9)’. The figures are separate from the report above and shown below.

This ensures the Canterbury Academy is being transparent with regard to all potential sources of CO₂ from our activities.

UK Greenhouse gas emissions Outside of Scopes for the period 1 September 2019 to 31 August 2020	2019/20
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The emissions from 5986 litres of diesel (average biofuel blend) with a conversion factor of 0.11118 equates to 0.66552 tCO_e.

Quantification and reporting methodology

We have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the Greenhouse Gas Reporting Protocol – Corporate Standard and have used the 2020 UK Government’s Conversion Factors for Company reporting.

Intensity measures

The chosen intensity measurement is total gross emissions in metric tonnes CO₂e per pupil, the recommended ratio for the sector.

Measures taken to improve efficiency

Increased video conferencing technology for staff meetings, to reduce the need for travel between sites. When lights fail, they are replaced with LED. For all new building projects undertaken consultation with external professionals to ensure the most energy efficient practices are incorporated. Any new buildings are fitted with energy efficient heating systems (heat recovery) and automatic Led lighting.

Statutory disclosures

The following report shows The Canterbury Academy’s statutory disclosure of the energy use and greenhouse gas emissions for the academy trust in a prescribed format and must publish, as a minimum:

- Annual UK energy use (in kWh), relating to gas, purchased electricity and transport fuel and associated greenhouse gas emissions (in tonnes of carbon dioxide equivalent (CO₂e))
- An emissions intensity ratio chosen by the academy trust. Intensity ratios compare emissions data with an appropriate business metric or financial indicator, such as pupil numbers, to allow comparison over time or with other organisations
- The methodologies used to calculate the required information
- A narrative of measures taken to improve energy efficiency in the period of the report. If no measures have been taken, this should be stated
- In future years, the prior year equivalent figures are also required to be disclosed

Calculations

Whilst it is not compulsory under SECR to report on the oil heating used in one of our buildings, The Canterbury Academy has chosen to voluntarily include this as in other legislation it will form part of the required carbon reporting. Further, because of the small volume involved, it required minimal additional effort to gather.

It is noted that due to the impact of COVID-19 during the initial pandemic, the use of school premises and minibuses was greatly reduced.