

Streamlined Energy and Carbon Reporting

The college is committed to reducing its carbon emissions and has taken the following measures in the year to improve energy efficiency:

- Installation of energy efficient boilers Princes Road Campus
- Fitting sustainable technologies such as solar panels and an air source heat pump to a new building.
- Chelmsford College is committed to reducing its impact on the environment and as new equipment is required, old equipment will be replaced with energy efficient alternatives where possible.

This is the first year in reporting the College's greenhouse gas emissions and energy use which are set out in the table below. It must be recognised that this was not a 'normal' year in terms of on staff and learners on site and therefore energy usage will be lower than in earlier years. For 2021/22 we expect to have more learners and staff in college and therefore energy usage will rise and with COVID-19 measure such as 'ventilation' in place there is likely to be lost heat and more energy used than a 'typical' year. Therefore, it may be some time before we have an accurate picture in which to set reduction targets against.

We have also signed up to <https://www.educationracetozero.org> where we have currently pledge to reach net zero by 2040 with an interim plan to be in place by December 2022 to make reductions by 2030.

The first phase will be to understand our current baseline and develop and action plan to enable us to achieve both the interim and longer-term pledges.

The college's greenhouse gas emissions and energy use for the period are set out below:

UK Greenhouse gas emissions and

energy use data for the period

1 August 2020 to 31 July 2021

Energy consumption used to calculate emissions (kWh)

2,817,774.28

Scope 1 emissions in metric tonnes CO2e

Gas consumption

335.33

Owned transport	0.89
Total	336.22
<u>Scope 2 emissions in metric tonnes CO2e</u>	
Purchased electricity	231.74
<u>Scope 3 emissions in metric tonnes CO2e</u>	
Business travel in employee owned vehicles	
Total gross emissions in metric tonnes CO2e	567.96

Intensity ratio

Metric tonnes CO2e per staff member 1.03

The chosen intensity measurement ratio is CO2 per staff member.

Qualification 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 2021 UK Government’s Conversion Factors for Company Reporting.