

## Cirencester College – Streamlined Energy and Carbon Reporting (SECR) Financial Year 2021-22

	Current reporting year 2021/22	Comparison reporting year 2020/21
<b>Greenhouse gas emissions and energy use data for the period 1 August 2020 to 31 July 2021 -UK</b>		
Energy consumption used to calculate emissions (kWh)	2,090,970	1,876,529
<b>Energy consumption breakdown (kWh)</b>		
Gas	1,274,191	1,228,806
Electricity	752,305	627,093
Transport fuel	64,474	20,630
<b>Scope 1 emissions in metric tonnes CO<sub>2</sub>e</b>		
Gas consumption	232.59	225.07
Owned transport	18.99	4.02
Total Scope 1	251.58	229.09
<b>Scope 2 emissions in metric tonnes CO<sub>2</sub>e</b>		
Purchased electricity	145.48	133.15
<b>Scope 3 emissions in metric tonnes CO<sub>2</sub>e</b>		
Business travel in employee owned vehicles	4.15	1.10
<b>Total gross emissions in metric tonnes CO<sub>2</sub>e</b>	<b>401.21</b>	<b>363.35</b>
<b>Intensity Ratio</b>		
Tonnes CO <sub>2</sub> e per member of staff	1.45	1.39

### Quantification and Reporting Methodology

We have followed the 2021 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 CO<sub>2</sub>e per staff member, the recommended ratio for the sector.

### Measures taken to improve efficiency

Replaced old gas fired water heater with new unvented water heater/new electrics and replaced old boiler with two new energy efficient ecotec boilers in the Art & Design block.

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. Apprenticeship assessors not travelling to placement sites, remote meetings held and a reduction in business mileage. College trips programme for students significantly reduced, less mileage for minibuses.