

Streamlined Energy and Carbon Report for New City College – 2020/21

Greenhouse gas emissions and energy data for the period of 1/8/20 to 31/7/21	Current reporting year 2020/21	Comparison reporting year 2019/20
Energy consumption used to calculate emissions (kWh)	19,999,716 ¹	19,762,615
Energy consumption breakdown (kWh) (optional):		
Gas	11,577,493	11,872,260
Electricity	8,422,223	7,890,355
Transport Fuel (litres)	5,651	Unknown
Scope 1 emissions in metric tonnes CO2e		
Gas consumption	2,121	2,183
Owned transport	3.36	Unknown
Total scope 1	2,124	2,183
Scope 2 emissions in metric tonnes CO2e		
Purchased electricity	1,788	1,840
Scope 3 emissions in metric tonnes CO2e		
Business travel in employee owned vehicles ²	5.28	Unknown
Total gross emissions in metric tonnes CO2e	3,917	4,023
Intensity ratio		
Tonnes of CO2e per member of staff	2.9	3.1
Tonnes of CO2e per student	0.37	0.36

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 2021 UK Government’s Conversion Factors for Company Reporting.

Intensity measurement

The primary intensity measurement ratio is total gross emissions in metric tonnes CO2e per staff member (counted as FTE), the recommended ratio for the sector. We have also included a secondary intensity measurement ratio which captures total gross emissions in metric tonnes CO2e per student (counted as FTE).

Measures taken to improve energy efficiency

Following Covid-19, we have increased videoconferencing in order to reduce travel between sites and are in the process of introducing a hybrid working policy. We have also moved to green tariffs on three electricity contracts, which have significantly reduced the emissions of our electricity consumption. Further, we have improved our capability to measure and report on carbon emissions.

¹ Excludes gas and electricity consumption in Ilford campus as this is paid for pro rata to the landlord and the college has no visibility on the consumption data.

² This is the first time the college is in a position to report on emissions from employee owned vehicles. This only includes business travel where employees have claimed for mileage from the college.