

Greenhouse gas emissions and energy use data for the period 1 August 2021 to 31 July 2022 – UK

Energy consumption used to calculate emissions (kWh)

Energy Consumption breakdown	2019/20	2020/21	2021/22	
Gas (KWh)	3891406	4321688	3961376	
Electricity ((KWh)	2818695	2780307	2885724	*ESPO Pure Green from 2020
Owned Transport (KM)	74647	31310	57886	
Transport (Staff Vehicles) (Miles)	50102	49744	57711	
Scope 1 - Emissions in metric tonnes CO2				
Gas consumption	709	787	721	
Owned Transport (Minibuses, Vans & Cars)	13.7	5.73	10.6	
Total Scope 1	722	792	731	
Scope 2 emissions in metric tonnes CO2				
Purchased Electricity	657	0	0	*ESPO Pure Green from 2020
Scope 3 emissions in metric tonnes CO2				
Business travel in employee owned vehicles	14.11	9.11	15.83	
Total gross emissions in metric tonnes CO2	1393	801	746	
Intensity Ratio				
Tonnes CO2 per member of staff	1.85	1.04	0.94	

*In 2020, West Nottinghamshire College switched to a 100% Green Electricity supply which is eligible to report zero emissions under the GHG protocol corporate standards (Scope 2)

Quantification and Reporting Methodology

We have followed the 2021 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 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

Older model storage heaters have been replaced with modern ceramic heating units
Energy efficient LED lighting and increased insulation has been installed on several sites to reduce emissions.