Greenhouse gas emissions and energy use data for the period 1 August 2022 to 31 July 2023 – UK

Energy consumption used to calculate emissions (kWh)

	2019/20	2020/21	2021/22	2022/23	
Energy Consumption breakdown (kWh)					
Gas (KWh)	3891406	4321688	3961376	3896233	
Electricity (KWh)	2818695	2780307	2885724	3110185	* ESPO Pure Green (2020)
Transport Fuel (Km)	74647	31310	57886	47477	
Transport (Staff Vehicles) (Km)	50102	49744	57711	69832	
Scope 1 emmissions in metric tonnes CO2					
Gas Consumption	709.00	791.56	721	701.32	
Owned transport	14.05	13.95	10.6	19.59	
Total scope 1	**77.08**	**805.51**	**731.60**	**720.91**	
Scope 2 emmissions in metric tonnes CO2					
Purchased electricity	657.15	0	0	0	*See below
Scope 3 emmissions in metric tonnes CO2					
Business travel in employee owned vehicles	14.11	9.11	10.57	12.79	
Total gross emmissions in metric tonnes CO2	**743.7**	**814.63**	**742.17**	**733.70**	
Intensity Ratio					
Tonnes CO2 per member of staff	**1.85**	**1.09**	**0.94**	**0.92**	

*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 2023 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

Energy efficient LED lighting and increased insulation has been installed on several sites to reduce emissions. There has been a move to electic heating while refitting buildings which has seen positive results.