

Greenhouse gas emissions and energy use data for the period 1 August 2021 to 31 July 2022	
Energy consumption used to calculate emissions (kWh)	1,377,483

Energy consumption breakdown(kWh)	
Gas	715,435
Electricity	488,279
Transport Fuel	173,769

Scope 1 emissions in metric tonnes CO2e	
Gas Consumption	131.55
Owned Transport	0.42
Total Scope 1	131.96
Scope 2 emissions in metric tonnes CO2e	
Purchased electricity	113.84
Scope 3 emissions in metric tonnes CO2e	
Business travel in employee owned vehicles	48.01
Total gross emissions in metric tonnes CO2e	
	293.81

Intensity ratio	
Tonnes CO2 per member of staff	2.19

Quantification and Reporting Methodology

Derwentside College have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the GHG Reporting Protocol - Corporate Standard and have used the 2020 UK Governments Conversion Factors for Company 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

The College uses a boiler management system to provide heating via gas boilers and radiators within the College, this ensures the indoor temperature is maintained at a controlled level and also calculates the precise time required to heat the building to the required indoor temperature depending on overnight low temperatures.

In the current year the College has continued to reduce electricity usage through upgrade of internal and external lighting to LED panels.

Post covid we continue to use video conferencing software to minimise travel to meetings and to interact with learners without incurring travel.

With increasing energy prices we are ensuring evening class timetables are as compact as possible to reduce the number of hours the College buildings are open.