

Greenhouse gas emissions and energy use data for the period 1 August 2019 to 31 July 2020	
Energy consumption used to calculate emissions (kWh)	1,434,258
Energy consumption breakdown(kWh)	
Gas	668,530
Electricity	450,541
Transport Fuel	315,187
Scope 1 emissions in metric tonnes CO2e	
Gas Consumption	122.92
Owned Transport	0.30
Total Scope 1	123.23
Scope 2 emissions in metric tonnes CO2e	
Purchased electricity	105.04
Scope 3 emissions in metric tonnes CO2e	
Business travel in employee owned vehicles	87.88
Total gross emissions in metric tonnes CO2e	316.14
Intensity ratio	
Tonnes CO2 per member of staff	2.29

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 19/20 year the College has continued to reduce electricity usage through upgrade of internal and external lighting to LED panels.

A significant proportion of the 19/20 College year resulted in the College being closed due to the Corona Virus pandemic (20 March 2020 - 31 July 2020). This has resulted in a significant decrease in all power usage on site and in business mileage of staff. Increased usage of video conferencing software was introduced in place of classroom teaching and all meetings, both internal and external to the College.