

Bournemouth & Poole College

Carbon Emissions 01/08/2019 to 31/07/2020

Greenhouse gas emissions and energy use data for the period 1 August 2019 to 31 July 2020 2019/20

Energy consumption used to calculate emissions (kWh)	4,214,023
Energy consumption break down (kWh) (optional):	
Gas	2,141,623
Electricity	2,072,400
Transport fuel	91,900
Scope 1 emissions in metric tonnes CO2e	
Gas consumption	393
Owned transport	22.97
Total scope 1	416
Scope 2 emissions in metric tonnes CO2e	
Purchased electricity	483
Scope 3 emissions in metric tonnes CO2e	

Greenhouse gas emissions and energy use data for the period 1 August 2019 to 31 July 2020 2019/20

Business travel in employee owned vehicles	30.85
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Total gross emissions in metric tonnes CO2e	929.85
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Intensity ratio

Tonnes CO2e per member of staff (725)	1.28
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Bournemouth & Poole College has 3 main sites, all with their own gas fuelled boilers and electricity is purchased from the grid network. The College owns 10 vehicles, 9 diesel-powered mini-buses and has approximately 725 members of staff who claim business mileage.

Quantification and Reporting Methodology

We have followed the ESFA Streamlined Energy and Carbon Reporting (SECR) 2020 Guidance. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2020 UK Government’s 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 is in the process of upgrading its estates. LED lighting has been installed to one site for public areas and we have install 200 PV panels to generate electricity. The buildings on one site have had cladding added to improve the thermal efficiency. Procured energy efficient IT including desk top pc`s and server units. Introduced a cycle to work scheme and actively promoting car sharing.

Planned changes

Upgrade second site to improve infrastructure including boilers (but restricted due to Listed Buildings).

Scope*	Definition	Unit	Source Information	Total	GHG Factor 2020	TCO2e
1	Purchased Gas	kWh	Verified Invoices	2,141,623 kwh	0.18387	393
1	Diesel (College Pool Vehicles includes vans and Minibuses)	Consumed Litre	Monthly Fuel Receipts	9024 litres	2.54603	22.97
2	Purchased Electricity	kWh	Verified Invoices	2,072,400 kwh	0.23314 Gen 0.02005 T&D	483
3	Business mileage	Miles	Finance travel claims paid	110,000 miles	0.28052 P	30.85
				Total	929.82 Tonnes of CO2e	