

Streamlined Energy and Carbon Reporting (SECR)

Blackburn College

Carbon Emissions 1st August 2023 – 31st July 2024

Gas Emissions and energy use data for the period 1st August 2023 to 31st July 2024

**Energy consumption used to calculate emissions (kWh) 9,180,396**

**Energy consumption breakdown (kWh) (optional);**

Gas 5,190,104

Electricity 3,990,292

Transport fuel (petrol) 547

Transport fuel (diesel) 1603

Business Travel in staff owned vehicles (mileage total) 47155

**Scope 1 emissions in metric tonnes CO2e**

Gas consumption 1049.6

College Owned Transport petrol 1.1

College owned Transport diesel 4

**Scope 2 emissions in metric tonnes CO2e**

Electricity consumption 817.7

**Scope 3 emissions in metric tonnes CO2e**

Business travel in employee-owned vehicles 12.7

Total gross emissions in metric tonnes CO2e 1885

**Intensity ratio**

**Tonnes CO2e per FTE employee (based on 533 FTE) 3.54**

Shape

**Quantification and reporting Methodology**

**Methodology – We have followed GHG reporting protocol and used 2023/24 government emission conversion factors**

**Intensity Ratio**

**The chosen intensity measurement ratio is total gross emissions in metric tonnes CO2e per FTE employee, the recommended ratio for this sector.**

**Measures taken to improve energy efficiency/carbon reduction**

* **Upgrading of all our lighting to LED across campus on a rolling basis.**
* **All of our PV and renewable energy installation across sites are being re-commissioned and upgraded where appropriate**
* **Existing heating systems have been assessed and have been upgraded to more modern energy efficient versions**
* **Continue to embed sustainability into curriculum and raise staff and student awareness on the topic.**