

Gas Emissions and energy use data for the period 1st August 2022 to 31st July 2023

**Energy consumption used to calculate emissions (kWh) 8,724,216**

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

Gas 4,918,720

Electricity 3,803,648

Transport fuel (petrol) 244.86

Transport fuel (diesel) 1603.15

Business Travel in staff owned vehicles (mileage total) 463054

**Scope 1 emissions in metric tonnes CO2e**

Gas consumption 898

College Owned Transport petrol 0.514

College owned transport diesel 4

**Scope 2 emissions in metric tonnes CO2e**

Electricity consumption 788

**Scope 3 emissions in metric tonnes CO2e**

Business travel in employee-owned vehicles 13

Total gross emissions in metric tonnes CO2e 1,703

**Intensity ratio**

**Tonnes CO2e per member of staff (based on 546 FTE) 3.11**



**Quantification and reporting Methodology**

**Methodology – We have followed GHG reporting protocol and used 2022/23 government emission conversion factors**

**Intensity Ratio**

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

**Measures taken to improve energy efficiency**

* **Upgrading of all our lighting to LED across campus on a rolling basis.**
* **Electrical vehicle charging points installed available to staff and students**
* **Continuous research into improving and updating our PV**
* **Integrated mixed recycling bin throughout college campus.**
* **Continue to embed sustainability into curriculum and raise staff and student awareness on the topic.**
* **Sustainability committee created to discuss ways in which each department can find ways to become more energy efficient and sustainable.**