Streamlined Energy And Carbon Reporting St Francis Xavier Sixth Form College

Annual Energy Use

Greenhouse gas emissions and energy use data for the period 1 August 2025 - 31 July 2026 (Comparison 1 August - 31 July 2025)

Greenhouse gas emissions and energy use data for the period 1 August 2024 to 31 July 2025	2025/26	2024/25
Gas	676,859	675,347
Electricity	457,206	468,426
Transport fuel	-	-
Total energy consumption used to calculate emissions (kWh)	1,134,065	1,143,773

Scope 1 emissions in metric tonnes CO2e	2025/26	2024/25
Gas consumption	123.40	107.67
Owned transport	-	-
Total scope 1	123.40	107.67

Scope 2 emissions in metric tonnes CO2e	2025/26	2024/25
Purchased electricity	59.88	84.96

Scope 3 emissions in metric tonnes CO2e	2025/26	2024/25
Business travel in employee owned vehicles	47.78	0.05

Total gross emissions in metric tonnes CO2e	2025/26	2024/25
Total	183.32	183.32

Intensity Ratio	2025/26	2024/25
Tonnes CO2e per member of staff	1.26	1.34

How we calculate our energy use

Gas - total kWh(kilowatt- hours) used for the year, taken from gas bills for the College site	676,859.00	0.18231	(2024 fuels, natural gas conversion factor CV to kg Co2e)	123,398.16
Electricity - total kWH(kilowatt- hours) used for the year, taken from electricity bills for the College site	457,206.00	0.13096	(2024 UK electricity conversion factor CV to kg Co2e)	59,875.70
Transport -Mini-bus :356 miles in the year	-	-	(2024 managed assets vehicles, vans class 2)	-
Transport -total mileage for petrol reimbursed from staff claims	295.80	0.16152	(2024 managed assets vehicles, Cars (by size))	47.78
		Total		183,321.64
		Intensity ratio - Emissions data(tCO2e) compared with an appropriate business activity (staff numbers)		1.26
		Number of staff		146

Quantification and Reporting Methodology

We have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the GHG reporting Protocol - Corporate Standard and have used the 2024 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

Buildings
The upgrade to our old Boiler House which included replacing the boiler plant, pipework, equipment & replacing the pumps has now been fully completed. This has resulted in improved heating efficiency as well as reduction in fuel consumption (gas) & maintenance costs which is reflected in the above figures. The hot & cold water piperwork has also been upgraded.

We were succesful with being awarded both CIF 25/26 bid submissions for Roof Works & for Urgent Fire Safety & Electrical Improvements.

The Roof Works have been completed & we are now investigating the installation of solar panels.

Urgent Fire Safety & Electrical Improvements have started which will bring about efficiencies & sustainability in the following areas:
- Replacement of fluorescent fittings with high-efficiency LED's
- Installation of automated controls such as occupancy sensors, daylight harvesting dimmers, and external master time switches which will reduce operational waste
-Split-metered distribution boards which can isolate lighting and power loads