

SHINE Energy and Carbon Reporting Year Ending 31st August 2024

Streamlined energy and carbon reporting

The academy trust's greenhouse gas emissions and energy consumption are as follows:

	2024	2023
Energy consumption used to calculate emissions (kWh)	1,671,834	1,752,392
Energy consumption breakdown (kWh):		
Gas	1,130,425	1,214,278
Electricity	541,409	538,114
Scope 1 emissions (in tonnes of CO2 equivalent):		
Gas consumption	207	222
Total scope 1	207	222
Scope 2 emissions (in tonnes of CO2 equivalent):		
Purchased electricity	115	110
Scope 3 emissions (in tonnes of CO2 equivalent):		
Business travel in employee-owned vehicles	6	5
Total gross emissions (in tonnes of CO2 equivalent):	328	337
Intensity ratio:		
Tonnes of CO2 equivalent per pupil	0.19	0.18

Quantification and Reporting Methodology

The academy trust has followed and used the following quantification and reporting methodologies:

- the 2019 HM Government Environmental Reporting Guidelines;
- the GHG Reporting Protocol - Corporate Standard; and
- the 2020 UK Government's Conversion Factors for Company Reporting.

Intensity measurement

The chosen intensity measurement ratio is total gross emissions in metric tonnes of CO2 equivalent per pupil, the recommended ratio for the sector.

Measures taken to improve energy efficiency:

- Use of energy efficiency grants to replace windows, lighting, emergency lighting, external cladding, installation of solar panels and other projects.
- CIF bids continue to be applied for to replace boilers and roofing where there would be significant improvements in energy efficiency and spend.
- We will continue to invest in reducing energy consumption;
- Ensure the opportunity to reduce mileage and seek opportunities to car share are at the forefront of our minds;
- Develop a hybrid meeting schedule to reduce the travel for face-to-face meetings using platforms such as Microsoft teams to host training and meetings virtually;
- Many of our academies currently purchase their energy through the Local Authority buy back schemes to ensure best value due to their larger buying power. However, we must continue to seek further opportunities to reduce costs.