



Streamlined energy and carbon reporting 2023/24

UK Greenhouse gas emissions and energy use data for the period	Current Reporting Year 2023/24	Comparison Reporting Year 2022/23
Energy consumption used to calculate emissions (kWh)	10,020,785	9,323,302
Energy consumption break down (kWh) (optional): <ul style="list-style-type: none"> • gas • electricity • transport fuel 		
Scope 1 emissions in metric tonnes CO₂e		
Gas consumption	1,351.43	1,195.02
Owned transport – mini-buses	3.94	2.92
Total Scope 1	1,353.37	1,197.94
Scope 2 emissions in metric tonnes CO₂e		
Purchased electricity	539.48	571.96
Scope 3 emissions in metric tonnes CO₂e		
Business travel in employee-owned vehicles	2.59	2.92
Total gross emissions in metric tonnes CO ₂ e	1,897.44	1,772.82
Intensity ratio Tonnes CO ₂ e per pupil	0.204	0.263

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 pupil, the recommended ratio for the sector.

Measures taken to improve energy efficiency

The Laurus Trust is keen to ensure that whatever refurbishment work we undertake has energy efficiency benefits and contributes to achieving the UK's commitment to reducing its greenhouse gas emissions by at least 80% by 2050, relative to 1990 levels.

We have fortunately been able through capital funding grants, to build five new schools, all of which have energy efficiencies with the use of solar wind catchers, LED lighting, lighting sensor controls, energy efficient heating and ventilation systems.

We have just opened Crown Street Primary School, on 1st September 2024, with even more improved energy efficiencies and technological efficient systems to reduce emissions.

All our older schools have benefited from replacement double glazed windows, roof refurbishments and replacements with increased insulation, breathable buildings technology and solar panel installations. As part of the Trust's building development and refurbishment plan, we have this year continued to upgrade lighting to LED with sensor controls wherever refurbishment has taken place and sought ways to improving natural ventilation by increasing the number of opening roof lights and windows to these spaces. We have replaced external cladding for insulated panels and replaced roofs to increase insulation properties to reduce energy consumption.

We are refurbishing one of our sports centres and replacing flood lights – all using more energy efficient technology, LED lighting, natural vents and modern insulated roofing and cladding.

All of our schools now operate heating and cooling services via a BMS system which enables more accurate control of the amount of energy being used and when.

The Trust has a totally electric, therefore, zero emissions vehicle for staff to use to travel between its school sites.

We are constantly looking at opportunities to obtain funding via grants and bids to enable us to look to reduce and if possible, de-carbonise our older schools heating systems and replace with modern green technologies.

The Trust has installed Electric Vehicle chargepoints at most school sites through available government grant schemes.