



Streamlined Energy and Carbon Reporting 2020/21

UK Greenhouse gas emissions and energy use data for the period 1 September 2020 to 31 August 2021

Energy consumption used to calculate emissions (kWh)	9,942,810
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Energy consumption break down (kWh) (optional):

- gas
 - electricity
 - transport fuel
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Scope 1 emissions in metric tonnes CO₂e

Gas consumption	1397.07
Owned transport – mini-buses	0.98
Total Scope 1	1398.05

Scope 2 emissions in metric tonnes CO₂e

Purchased electricity	489.02
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Scope 3 emissions in metric tonnes CO₂e

Business travel in employee owned vehicles	1.47
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Total gross emissions in metric tonnes CO ₂ e	1,888.54
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Intensity ratio Tonnes CO ₂ e per pupil	0.35
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Quantification and reporting methodology

We have followed the 2021 HM Government Environmental Reporting Guidelines. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2021 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 work we undertake has some form of 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.

In recent years we have fortunately been able through funding, to build three 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.

Our older schools have benefited from replacement double glazed windows, roof refurbishments with increased insulation, breathable buildings technology and solar panel installations. As part of the trust's building development and refurbishment plan we have during this year commenced upgrading lighting to LED with sensor controls wherever refurbishment takes place and improving natural ventilation.

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

The trust has just renewed its lease on totally electric, therefore, zero emissions vehicle for staff to use to travel between its sites.

We have recently applied for assistance under the Decarbonisation Scheme to have Heat Decarbonisation Plans produced by a third-part consultant with a view to longer term decarbonisation of our old heating systems in our older school estate where boilers are coming to an end of their useful life. This will entail an initial desktop study, a site visit / site walkover and a report with recommendations for decarbonisation.