

## Streamlined Energy and Carbon Reporting

UK Greenhouse gas emissions and energy use data for the period	1 <sup>st</sup> September 2023 to 31 <sup>st</sup> August 2024	1 <sup>st</sup> September 2022 to 31 <sup>st</sup> August 2023
Energy consumption used to calculate emissions (kWh)	<b>6896155</b>	<b>7337013</b>
Energy consumption break down (kWh) (optional) <ul style="list-style-type: none"> <li>• gas,</li> <li>• electricity</li> <li>• transport fuel</li> </ul>	<b>Gas: 5240223</b> <b>Electricity: 1655932</b> <b>Transport: 12732</b>	<b>Gas: 5208213</b> <b>Electricity: 2128800</b> <b>Transport: 4730</b>
Scope 1 emissions in metric tonnes CO <sub>2</sub> e Gas consumption Owned transport – mini-buses Total scope 1	<b>958.436 tCO<sub>2</sub>e</b>	<b>950.377 tCO<sub>2</sub>e</b>
Scope 2 emissions in metric tonnes CO <sub>2</sub> e Purchased electricity	<b>342.861 tCO<sub>2</sub>e</b>	<b>419.040 tCO<sub>2</sub>e</b>
Scope 3 emissions in metric tonnes CO <sub>2</sub> e Business travel in employee-owned vehicles	<b>3.370 tCO<sub>2</sub>e</b>	<b>4.730 tCO<sub>2</sub>e</b>
Total gross emissions in metric tonnes CO <sub>2</sub> e	<b>1304.667 tCO<sub>2</sub>e</b>	<b>1374.147 tCO<sub>2</sub>e</b>
Intensity ratio Tonnes CO <sub>2</sub> e per pupil	0.217 tCO <sub>2</sub> e Per Pupil	0.236 tCO <sub>2</sub> e Per Pupil

### 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 2022 UK Government’s Conversion Factors for Company Reporting.

### Intensity measurement

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO<sub>2</sub>e per pupil, the recommended ratio for the sector.

### Evaluation

It is difficult to compare direct results from 2022/23 to 2023/24 due to the incorporation of new schools and therefore the growth of the trust however we have continued to reduce our gas and electricity usage across the trust.

### Measures taken to improve energy efficiency

This is the third year of energy reporting as a trust. We have continued to invest significantly in the installation of LED lighting across a number of schools. We’ve also increased the knowledge and understanding of our boiler management across all schools to ensure all site managers have the ability to control their boilers to meet the needs of the schools themselves.

Further investment is already planned to improve the windows across the trust, many are in poor condition and are insufficient to help reduce CO<sub>2</sub> emissions. Improvements in external doors are also high on the agenda to be replaced as these again, are insufficient to reduce our emissions. Only when our schools are more thermally efficient can we begin to replace our current gas fired boilers with more eco-friendly solutions.

Our plans to install further solar panels on one of senior schools is also underway and further projects are planned for subsequent years.