

Streamlined Energy & Carbon Reporting 2025/26

HARDENHUISH SCHOOL LIMITED

Energy Background

The school is heated through a combination of mains gas, oil, and biomass. The school also generates electricity via solar panels and a wind turbine. Approximately 50% of electricity generated is used by the school, and the remainder is exported to the grid. The academy trust has some staff who claim business mileage, for which the trust has recorded the number of miles travelled during the year.

This methodology follows the [GHG Reporting Protocol](#) and uses the 2026 [Government emission conversion factors for greenhouse gas company reporting](#).

Energy Source	Consumption (kWh unless stated)	Scope	Emissions (tCO2e unless stated)
Gas: total kWh (gross Calorific Value) used for the year	779,158	Scope 1	142.048
Electricity: total kWh used for the year	427,963	Scope 2	56.046
		Scope 3	5.559
Kerosene: 7,165 litres used for the year	73,754	Scope 1	18.200
Biomass (Woodchips): 177,460 kWh used for the year	177,460	Scope 1	2.117
Owned Transport (Minibus): 1,221 miles in the year	1,951	Scope 1	0.505
Reimbursed Transport (mileage reimbursed from staff claims): 993 miles	1,094	Scope 3	0.265
Total	1,461,380		224.741
Intensity ratio	Emissions (tCO2e) compared with an appropriate business activity (pupil numbers)		224.741 tCO2e / 1,523 pupils = 0.148 tCO2e per pupil

Disclosure of Information

UK Greenhouse gas emissions and energy use data for the period 1 September 2025 to 31 August 2026	Current reporting year 2025/26	Comparison reporting year 2024/25 (figures are for illustrative purposes)
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Energy consumption used to calculate emissions (kWh)	1,461,380	1,645,198
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Scope 1 emissions in metric tonnes CO₂e

Gas consumption	142.048	143.538
Kerosene consumption	18.200	40.650
Biomass consumption	2.117	2.818
Owned transport	0.505	0.000

Total Scope 1	162.871	187.006
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Scope 2 emissions in metric tonnes CO₂e

Purchased electricity	56.046	79.512
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Scope 3 emissions in metric tonnes CO₂e

Business travel in employee-owned vehicles	0.265	0.398
Purchased electricity (transmission and distribution)	5.559	8.324

Total gross emissions in metric tonnes CO ₂ e	224.741	275.241
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Intensity ratio Tonnes CO ₂ e per pupil	0.148	0.177
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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 2026 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

First full year after we changed the majority of our lights to LED using the DFE grant. 2 computer suites replaced with new lower energy models. Solar power: 18,571 kWh Generated and 9,325 kWh Exported.

END OF REPORT