

Streamlined Energy & Carbon Reporting for Enquire Learning Trust

Large Undertaking – Operational and Financial Control for energy use.

Registered office address

18 Appleton Court, Wakefield, West Yorkshire, WF2 7AR

Enquire Learning Trust

Registered Charity Number:

Registered Company Number: 08056907

GHG emissions and energy use data for period 1 September 2019 to 31 August 2020

	Current Reporting Year 2019-2020
	UK GHG Emission and Energy Data
Energy consumption used to calculate emissions (kWh); all mandatory energy sources are included.	9,088,417.6
Scope 1: Emissions from the combustion of Natural Gas (tCO ₂ e)	1,190.7
Scope 1: Emissions from combustion of Kerosene / Gas Oil Fuel for heating (tCO ₂ e). (see evidence pack for breakdown)	52.9
Scope 1: Emissions of Biomass Pellets (tCO ₂ e)	NA
Scope 3: Emissions from business travel in employee owned vehicles, where the company repaid mileage claims (tCO ₂ e) (average vehicle / fuel source unknown)	11.8
Scope 2: Emissions from purchased Electricity (tCO ₂ e)	551.2
Total gross CO ₂ e based on above (tCO ₂ e)	1,806.6
Intensity Ratio: (kg CO₂e) gross based on mandatory fields above per m² of Gross Internal Area: 62,612.6 m²	20.9 kg CO₂e m²

All energy data above and supporting documents used in completing this report are contained within the SECR Evidence Pack.

Methodology

An evidence-based methodology was adopted in accordance with BS EN ISO 14064-3:2019, Section 4.3; verifiable data has been collected from the following sources:

Energy Data: Energy Metering, Invoices, Supply Summaries / Statements, Repayment Claims for business mileage, Fuel Cards, and correspondence with suppliers.

Previous Audit Data: ESOS Phase I and Phase II.

Emission Conversions: All emission factors for CO₂e, have been calculated using Defra Conversions 2020, as the period covers four-months of 2019 and eight-months of 2020, in accordance with Defra guidelines.

Third Party Verification

The energy data has been compiled and audited by Sean Midgley (ESOS Lead Assessor) of Powerful Allies Limited, CIBSE Registration No: ESOS185262.

Energy Efficiency Action

Enquire Learning Trust (ELT) have started a process of decarbonisation of the school estate as follows:

- a. During the financial year **100%** of electricity supplied to the directly contracted ELT schools was from **100% REGO Backed Renewable Zero Carbon Generation**, some schools remain on legacy contracts with local authority contracts, which end soon.
- b. ELT have centralised all their Half-Hourly AMR Energy metering data, implementing a program of upgrading to AMR Gas metering, and SMART Metering under the SMART Meter Rollout, for qualifying meters. The improved visibility and granularity will assist in identifying possible waste, control issues, and promote energy efficient behaviour across the portfolio of schools.
- c. ELT are submitting a Public Sector Decarbonisation Scheme application, in a bid to improve building fabric to reduce heat losses, increase heat recovery, and switch from Oil fired heating to energy efficient Heat Pump technologies. Fuel switching from Oil to Electricity, could result in GHG reductions of around 40 tCO₂e per year.
- d. ELT have a rolling program of lighting upgrades to LED, as lighting in schools can account for approximately 30% of all electricity consumption. Switching to LED lighting should reduce consumption of electricity for lighting by approximately 50% or 15% of total electricity consumption / 82.7 tCO₂e per year.
- e. ELT are currently in the process of developing a Heat Decarbonisation Plan, because of the work carried out around the Decarbonisation Application. It is hoped this work coupled with the new GHG Reporting requirements, will lead to an action plan based on SMART objectives and endorsed by Trustees and Senior Leaders.