

Newham Sixth Form College Streamlined Energy and Carbon Reporting

	UK Greenhouse gas emissions and energy use data for the period 1 August 2019 to 31 July 2020	UK Greenhouse gas emissions and energy use data for the period 1 August 2020 to 31 July 2021
Energy consumption used to calculate emissions (kWh)	2,814,802 kWh	2,908,886 kWh
Energy consumption break down (kWh) (optional) <ul style="list-style-type: none"> Gas Electricity Transport fuel 	Gas 1,836,162 kWh Elec 974,667 kWh Transport Fuel 3 973 kWh	Gas 1,945,379 kWh Elec 963,507 kWh Transport Fuel 0
<u>Scope 1 emissions in metric tonnes CO₂e</u> Gas consumption <u>Total scope 1</u>	Gas 337 tCO ₂ e	Gas 356.32 tCO ₂ e
<u>Scope 2 emissions in metric tonnes CO₂e</u> Purchased electricity	227 tCO ₂ e	204.58 tCO ₂ e
<u>Scope 3 emissions in metric tonnes CO₂e</u> Business travel in employee owned vehicles	0.96 tCO ₂ e	0 tCO ₂ e
Total gross emissions in metric tonnes CO ₂ e	564.96 tCO ₂ e	560.90 tCO ₂ e
<u>Intensity ratio</u> tonnes CO ₂ e per	2.12 CO ₂ e/staffmember	2.10 CO ₂ e/staffmember

Quantification and Reporting Methodology

The 2019 UK Government Environmental Reporting Guidelines were followed and the 2021 UK Government GHG Conversion Factors for Company Reporting were used in emission calculations. The report has been reviewed independently by Briar Consulting Engineers Limited.

The electricity and gas energy use was compiled from invoices and working with our energy buyer. Vehicle energy use and emissions were calculated from actual mileage readings.

The associated emissions are divided into mandatory and voluntary emissions according to the 2018 Regulations, then further divided into the combustion of fuels and the operation of facilities (scope 1), purchased electricity (scope 2) and in-direct emissions that occur as a consequence of company activities (scope 3).

Intensity measurement

The primary intensity ratio is total gross emissions in metric tonnes CO₂e per staff member, which is the recommended ratio for the sector for consistency and comparability.

Measures taken to improve energy efficiency

Energy consumption is above the previous year as increased occupancy across the site following relaxation of COVID-19 restrictions from September 2020. There is still as a result of the health precautions the continued implementation of video conferencing for staff board meetings and external stakeholders reducing the need for travel to site. The emission saving resulting from these activities has not been quantified, but this practice has resulted in behaviour changes that are expected to continue for the foreseeable future.