

Newham Sixth Form College Streamlined Energy and Carbon Reporting

	UK Greenhouse gas emissions and energy use data for the period 1 August 2020 to 31 July 2021	UK Greenhouse gas emissions and energy use data for the period 1 August 2021 to 31 July 2022
Energy consumption used to calculate emissions (kWh)	2,908,886 kWh	3,001,317 kWh
Energy consumption break down (kWh) (optional) <ul style="list-style-type: none"> Gas Electricity Transport fuel 	Gas 1,945,379 kWh Elec 963,507 kWh Transport Fuel 0	Gas 1,928,428 kWh Elec 1,072.889kWh Transport Fuel 0
<u>Scope 1 emissions in metric tonnes CO₂e</u> Gas consumption <u>Total scope 1</u>	Gas 356.32 tCO ₂ e	Gas 347.12 tCO ₂ e
<u>Scope 2 emissions in metric tonnes CO₂e</u> Purchased electricity	204.58 tCO ₂ e	207.47 tCO ₂ e
<u>Scope 3 emissions in metric tonnes CO₂e</u> Business travel in employee owned vehicles	0 tCO ₂ e	0 tCO ₂ e
Total gross emissions in metric tonnes CO ₂ e	560.90 tCO ₂ e	554.59 tCO ₂ e
<u>Intensity ratio</u> tonnes CO ₂ e per	2.10 CO ₂ e/staffmember	2.05 CO ₂ e/staffmember

Quantification and Reporting Methodology

The 2019 UK Government Environmental Reporting Guidelines were followed and the 2022 UK Government GHG Conversion Factors for Company Reporting were used in emission calculations.

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 below the previous year due to a reduction in the factors as a result of more green energy being used from the providers.