

## **Streamlined Energy & Carbon Report**

### **Introduction**

In line with the Guidance for Streamlined Energy and Carbon reporting, as set out in the College Accounts Direction, Suffolk New College can report the figures as set out below. These have been calculated based on UK Government CHG factors for company reporting.

This report details the operational energy usage of the Suffolk New College Corporation and resultant emissions for the academic year 1 August 2024 to 31 July 2025, for which Suffolk New College is responsible. This report therefore covers all energy usage for which the College is financially responsible and covers all energy usage in our buildings, processes and all fuel consumed in vehicles in delivery of the College's core activities of teaching and learning.

The Corporation is committed to using energy efficiently to minimise environmental impact and to contribute towards global sustainability.

Our efforts to continually reduce energy wastage will also show our commitment to our students, our employees, our community and the environment.

### **Energy Efficiency Actions**

Our energy consultants, Vertas Group Ltd, closely monitor our energy consumption, including half-hourly data, and report any substantial deviation from baseline directly to the College.

We actively communicate to students and staff the benefits of reducing energy and environmental wastage and we aim to motivate and empower them by encouraging ownership of the scheme through the sharing of expertise and experience.

In the past year, the following actions have been taken:

- Progression of program to change lighting from conventional lighting to LED including replacement of all atrium high-level fittings at Ipswich.
- Progression of annual Display Energy Certificate.
- Complete first phase of window replacement impacting six buildings at our Rural campus. New windows have increased energy efficient properties meeting all current industry U-value, Window Energy Rating (WER) and Part L Building Regulation standards.
- Review and upgrade of all water saving PIR and timer base flush systems though the Ipswich site.
- Replacement of multiple Thermal Mixing Valves that manage endpoint water temperature to sinks at Rural.

## Methodology

All source data is from supplier invoicing and finance records. These sources are subject to regular verification and audit, both internal and external.

The sites included are where the College pays the energy bills, namely Ipswich, Suffolk Rural and Halesworth. Leiston is excluded, as the College pays an all-encompassing service charge and is unable to split out any utility bills.

Emissions factors are sourced from the Government reporting guidelines. We have estimated that the College has paid an average of £2 per mile for taxi fares. We have also estimated that the fuel in rental vehicles, business mileage claims and taxis were used at a rate of 1 gallon per 50 miles. We have then calculated emissions based on an estimate that this fuel was 50% unleaded and 50% diesel.

The intensity ratio figure has been calculated by taking the total headcount of all staff that were employed by Suffolk New College as at 31 July 2025, and were reported in the year-end accounts at that time.

## Supporting Source Data

Energy and Carbon report 2024/25

Scope	Fuel	Consumption	Emissions CO <sub>2</sub> e (metric tonnes) 2024/25	Emissions CO <sub>2</sub> e (metric tonnes) 2023/24	Increase / (Decrease) from 2023/24 levels
1 - Direct	Gas	2,146,983 kWh	392.81	362.31	30.50
	Gas Oil	4,602 Litres	12.68	8.54	4.14
	Propane	92,361 Litres	145.57	175.86	(33.29)
	Kerosene	37,688 Litres	119.66	99.54	20.12
	Transport Fuel	1,452 Litres	3.73	7.08	(3.35)
	Fuel Card (Diesel)	2,999 Litres	7.71	8.33	(0.62)
	Fuel Card (Unleaded)	732 Litres	1.51	2.56	(1.05)
<b>Total Scope 1 (Direct)</b>			<b>680.67</b>	<b>664.22</b>	<b>16.45</b>
2 - Indirect	Electricity	3,550,710 kWh	628.48	778.62	(150.14)
<b>Total Scope 2 (Indirect)</b>			<b>628.48</b>	<b>778.62</b>	<b>(150.14)</b>
3 - Additional Indirect	Business Mileage	157,125 Miles	42.15	23.75	18.40
	Fuel in Rental Vehicles	277 Miles	0.07	0.07	0.00
	Taxis	£2,349.36	1.26	0.56	0.70
<b>Total Scope 3 - Additional Indirect</b>			<b>43.48</b>	<b>24.38</b>	<b>19.10</b>
<b>TOTAL GROSS EMISSIONS (in metric tonnes)</b>			<b>1,352.63</b>	<b>1,467.22</b>	<b>-114.59</b>
<b>Intensity Ratio (Based on staff as at 31 July 2025 – 685 (2024 – 683))</b>			<b>1.97</b>	2.15	(0.18)