

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 2019 to 31 July 2020, 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 of environmental impact and to contribute towards global sustainability.

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

Energy Efficiency Actions

We have identified our major energy consumers in the organisation; identifying risks that may prevent us from reducing energy consumption and opportunities to improve energy efficiency.

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

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 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;
- BMS (Building Management System) alterations to help minimise energy when the building is empty;
- Progression of annual Display Energy Certificate.

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 the main Ipswich campus for the entire year. During the period, the College merged with the Otley campus of the former Easton and Otley College. Accordingly, the data for the Suffolk Rural (previously Otley) campus is only included from 1 January 2020. The Leiston campus for Suffolk New College on the coast is not included as we pay an all-

inclusive service charge, and therefore the College is unable to split out any utilities. We have added the new Halesworth Campus for Suffolk New College on the coast, which we will include from next year's figures as it opened from September 2021.

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 2020, and were reported in the year-end accounts at that time.

Supporting Source Data

Please note that from the year 2020 to 2021 the previous year's data should also be reported for comparison purposes, however it is not a requirement for this year, and is therefore not shown on the report. Comparison data will be shared in future reports.

Scope	Fuel	Consumption	Emissions CO ₂ e (metric tonnes)
1 - Direct	Gas	1,914,877 kWh	352.09
	Gas Oil	1,001 litres	2.76
	Propane	18,114 litres	28.17
	Kerosene	17,860 litres	45.37
	Transport Fuel	3,002 litres	7.64
	Fuel Card (Diesel)	445 litres	1.13
	Fuel Card (Unleaded)	268 litres	0.58
	Total Scope 1 (Direct)		
2- Indirect	Electricity	2,675,552 kWh	623.78
Total Scope 2 (Indirect)			623.78
3 – Additional Indirect	Business Mileage	82,993 miles	17.78
	Fuel in rental vehicles	2,980 miles	0.64
	Taxis	£4,612.56	0.49
Total Scope 3 – Additional Indirect			18.91
TOTAL GROSS EMISSIONS (in metric tonnes)			1,080.43
Intensity Ratio (based on staff as at 31 July 2020 - 549)			1.96