

STREAMLINED ENERGY AND CARBON REPORTING FOR CRAVEN COLLEGE 2022

The Streamlined Energy and Carbon Reporting framework – SECR is a package of regulations published by the Department for Business, Energy and Industrial Strategy (BEIS) that came into effect from 01 April 2019.

The College fully embraces this example of cross-government working understanding fully the role all organisations have to play in reducing energy and carbon emissions and how this is central to delivering the UK’s ambition to reach net zero by 2050.

INTRODUCTION

The College is committed to promoting environmental sustainability, where the needs of the present do not compromise the ability of future generations and is committed to minimising the impacts of its operations.

The College recognises that its activities may sometimes have effects on sustainability and will endeavour to meet, and where practicable, exceed any requirement by incorporating sound sustainability management strategies into all aspects of College operations.

The College has a major role to play alongside its staff and students in developing a low energy and sustainable practices which reduce its carbon footprint but which also reinforce those sustainable values through knowledge, education and desire for change.

We are committed to continue following a challenging carbon reduction pathway, to deliver our targets to be net zero carbon by 2030 for our most direct emissions (scope 1 and 2) and by 2050 at the latest for our indirect emissions (scope 3).

PART 1: DESCRIPTIVE INFORMATION

Name of the company	Craven College
Description of the company	Further & Higher Education College
Chosen consolidation approach	Operational Control
The reporting period covered	August 2020 – July 2021
The year chosen as base year	August 2018 – July 2019
Rationale for choosing the base year	The college was in the process of disposing and relocating several activities from older inefficient buildings to newer more sustainable sites

PART 2: GREENHOUSE GAS EMISSIONS FOR THE CURRENT YEAR

Energy Consumption used to calculate emissions (kWh)	Base Year Aug 2018 - July 2019	Last Year Aug 2019 - July 2020	Current Year August 2020- July 2021
Gas (kWh)	1,518,584	1,383,456	1,427,388
Electricity (kWh)	669,426	572,722	558,956
Transport Fuel (miles)	248,775	159,984	48,982
Scope 1 emissions in metric tonnes CO₂e			
Gas Consumption	279.22	254.38	261.44
Owned transport	1.67	1.2	0.3
Total Scope	280.89	255.58	261.74
Scope 2 emissions in metric tonnes CO₂e			
Purchased Electricity	169.50	144.78	129.18
Scope 3 emissions in metric tonnes CO₂e			
Business travel in employee owned vehicles	69.11	43.36	13.6
Total gross emissions in metric tonnes CO₂e	519.50	443.72	404.52
Intensity ratio (FTE staff)	238	230	215.6
Tonnes CO₂e per member of staff	2.18	1.93	1.88

3.1 QUANTIFICATION AND REPORTING METHODOLOGY

We have followed the 2019 HM Government Environmental Reporting Guidelines. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2020 UK Government’s Conversion Factors for Company Reporting.

Caveat - Covid-19 had a profound impact on energy use during 2019-20. College buildings were closed throughout April and May 2020, and had minimal occupancy throughout summer 2020. This resulted in reduced gas and electricity consumption, and reduced mileage for the vehicle fleet, meaning some energy use indicates an uplift for 2021.

3.2 INTENSITY MEASUREMENT

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO₂e per full-time equivalent staff member, the recommended ratio for the sector.

3.3 MEASURES TAKEN TO IMPROVE ENERGY EFFICIENCY

The College has undertaken or is underway with a number of initiatives to improve its energy efficiency and reduce CO₂ emissions. Aligned to the College Strategic Plan these include:

Our Offer

- Reduced use of paper by promoting the use of the virtual learning environment and other technology as far as practicable
- Range of environmental initiatives and practices across all curriculum areas including development of ‘Bee Seat’, use of peat free compost, tree planting initiatives, sustainable fashion show and use of environmentally friendly beauty products

Our People

- Forming a ‘Sustainability Group’ who are devising a Sustainability Action Plan to reduce the College’s carbon footprint and to ensure that we are doing all we can to reduce the College’s environmental impact
- Staff are aware of the need to apply in practice the aims of the Environmental and Sustainable Development Strategy, particularly in relation to energy savings through completion of dedicated training
- Flexible working arrangements for staff including home working
- Cycle to work scheme available to all staff
- Electric Vehicle charging points on campus for use by staff and students

Continued...

Our Place

- Reduced use of paper by promoting the use of email, cloud data storage and other technology as far as practicable
- Default setting for all printing to be double sided and black/white printing and copying where the use of print is unavoidable
- Continued implementation of LED lighting across the College to reduce energy consumption
- Procurement strategies that reduce transport impact via locally sourced goods and produce
- Two fully electric, zero emission vehicles and one hybrid representing 75% of the fleet being environmentally friendly
- Solar panels, PV cells, air source heat pumps and rainwater recovery system across buildings
- Recycled plant-based cutlery used in student canteen
- Crisp packet and pen recycling across campus
- Recycled plastic furniture used in student external spaces
- Continued exploration for improving the energy efficiency performance of buildings through possible re-configuration and investment in infrastructure of all existing buildings
- Ensuring any new build investment is done so with energy efficiency as a focal point