

# STREAMLINED ENERGY AND CARBON REPORTING FOR CRAVEN COLLEGE

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 the dual ethos of sustainability and responsible global citizenship.**

**The College recognises that its activities may sometimes have effects on sustainability and will meet all legislative compliance, and where practicable, exceed this requirement by incorporating sound sustainability management practices into all aspects of College operations.**

**The College has a major role to play in building the capacity of its students, staff and local communities to effectively participate in translating the rhetoric of sustainable development into reality. Of particular significance is the sector's role in facilitating social inclusion, sustainable regional development and responsible global citizenship. This College has published a strategy document which details the commitment of Craven College to energy savings and a sustainable environment through the three themes of Curriculum, Campus and Community.**

## PART 1: DESCRIPTIVE INFORMATION

Name of the company	Craven College
Description of the company	Further & Higher Education College
Chosen consolidation approach (equity share, operational control / financial control)	Operational Control
The reporting period covered	August 2019 – July 2020
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	Current Year Aug 2019 - July 2020
Gas (kWh)	1,518,584	1,383,456
Electricity (kWh)	669,426	572,722
Transport Fuel (miles)	248,775	159,984
<b>Scope 1 emissions in metric tonnes CO<sub>2</sub>e</b>		
Gas Consumption	279.22	254.38
Owned transport	1.67	1.2
Total Scope	280.89	255.58
<b>Scope 2 emissions in metric tonnes CO<sub>2</sub>e</b>		
Purchased Electricity	169.50	144.78
<b>Scope 3 emissions in metric tonnes CO<sub>2</sub>e</b>		
Business travel in employee owned vehicles	69.11	43.36
<b>Total gross emissions in metric tonnes CO<sub>2</sub>e</b>	<b>519.50</b>	<b>443.72</b>
<b>Intensity ratio (FTE staff)</b>	<b>238</b>	<b>230</b>
<b>Tonnes CO<sub>2</sub>e per member of staff</b>	<b>2.18</b>	<b>1.93</b>

### 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.

### 3.2 INTENSITY MEASUREMENT

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO<sub>2</sub>e per full-time equivalent staff member, the recommended ratio for the sector.

### 3.2 MEASURES TAKEN TO IMPROVE ENERGY EFFICIENCY

- Ensure all new builds maximise the opportunity to create building and facilities that promote environmental sustainable development including BREEAM certification. (BREEAM very good achieved across all buildings)
- Move out of and transfer activities from older less energy efficient buildings
- Minimise use of energy and scarce resources through good practice, prudent maintenance and use of energy efficient resources
- We have installed building management systems to control environments operate lighting and have converted 70% of all lighting to low energy LED
- Reduce the use of paper by promoting the use of email, VLE, intranet and other technology as far as practicable, alongside double sided and black/white printing and copying where the use of print is unavoidable
- Promote a sustainable world environment through reducing, reusing and recycling wherever possible, and implementing safe and ethical disposal procedures
- Ensure that all 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
- Ensure compliance with any legal requirements concerning the environment, and work towards meeting targets of government initiatives for a sustainable environment
- Minimise pollution by seeking environmentally acceptable economies in the use of transport including the installation of Vehicle charging points and acquiring two new all electric zero emission vehicles for college and staff use
- Reduce the use of water by purchasing water efficient equipment (dishwashers/washing machines), replacing worn tap washers to reduce drips
- Further investigating rainwater harvesting and the use of greywater systems