# Streamlined Energy and Carbon Reporting
## for West London 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

Across the UK and internationally, pioneering colleges are developing new organisational models to lead and implement their sustainability and net zero ambitions. Historically, activity has been limited to environmentally focussed activities based in Estates and Facilities Departments, primarily driven over recent years by legislation. However, it is widely recognised that sustainability encompasses a broad scope of issues beyond environmental impacts. Colleges have an important role to play in working towards the achievement of the UN Sustainable Development Goals, introduced in 2015. Colleges should seek to lead agendas that build social and economic sustainability through partnerships with local communities and beyond.

## Greenhouse Gas Emissions and Energy Use Data for the Period 1

| August 2020 to 31 July 2020 - UK | Current reporting year 2020 to 2021 | Comparison reporting year 2019 to 2020 |
|---|---|---|
| Energy consumption used to calculate emissions (kWh) | 9,600,756 | 8,391,953 |
| Energy consumption break down (kWh) (optional): | | |
| Gas | 6,544,983 | 5,219,762 |
| Electricity | 3,049,116 | 3,155,376 |
| Transport Fuel | 6657 | 16815 |

| August 2020 to 31 July 2020 - UK | Current reporting year 2020 to 2021 | Comparison reporting year 2019 to 2020 |
|---|---|---|
| **Scope 1** emissions in metric tonnes CO2e | | |
| Gas Consumption | 1203.43 | 959.76 |
| Owned Transport | 1.64 | 3.90 |
| Total Scope 1 | 1205.07 | 963.65 |
| **Scope 2** emissions in metric tonnes CO2e | | |
| Purchased Electricity | 710.87 | 735.64 |
| **Scope 3** emissions in metric tonnes CO2e | | |
| Business travel in employee owned vehicles | 0.05 | 0.36 |
| Total gross emissions in metric tonnes CO2e | 1915.99 | 1699.66 |
| Intensity Ratio | 440 | 449 |
| Tonnes CO2e per member of staff | 4.35 | 3.78 |

### 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 2021 UK Government's Conversion Factors for Company Reporting.

### Intensity Measurement

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

### Measures taken to Improve Energy Efficiency

We have AMR meters across all sites and monitor consumption data regularly. A new BMS was installed last year providing greater insight and control of set points and essential heating systems. We are continuing to renovate mechanical heating controls so that the BMS has optimal impact. We continue to use video conferencing technology for many staff meetings negating the need for travel between sites. We have also disposed of a number of college owned petrol and diesel vehicles and further reductions are planned. We are committed to using energy efficient lighting and taking positive action to change staff and student behaviours driven by the Climate and Sustainability Committee.