



# STREAMLINED ENERGY AND CARBON REPORTING

For Croydon & Coulsdon Sixth Form Colleges 2021-22

## Introduction

The Streamlined Energy and Carbon Reporting framework (SECR) is a government set of regulations that came in force April 2019 and aims to harmonise carbon reporting, removing the multiple historic reports with different reporting dates and will be streamlined to be consistent with financial reporting years. It will also make it easier to monitor and achieve reductions in carbon and cost each year.

The college is fully committed to the SECR and to promoting and advancing environmental sustainability and has published its **Sustainability Strategy** to support its challenging ambition to be carbon neutral by 2030.

In line with the **ESFA guidance** on SECR reporting for college corporations updated 12 January 2022, the college has published its data in the standard format below with comparative data, as required by the regulations.

The college has followed the approved methodology for Green House Gas **(GHG) Reporting Protocol** and uses the **Government conversion factors for company reporting**. The conversion factors are updated annually and are generally released each year in June. The college has used the required 2022 conversion factors for the 2021 to 2022 financial year.

Energy consumption used to calculate emissions (kWh)	Current Year August 2021 - July 2022	Last Year August 2020 - July 2021
Gas (kWh)	2,452,337	4,220,289
Electricity (kWh)	3,047,638	3,076,332
Oil (Litres)	15,681	n/a
Transport fuel (miles)	6,200	1,033
<b>Scope 1 emissions in metric tonnes CO2e</b>		
Gas consumption	447.70	772.99
Oil consumption	4,233.87	n/a
Owned transport	15.93	2.35
Total scope	4,697.50	775.34
<b>Scope 2 emissions in metric tonnes CO2e</b>		
Purchased electricity	602.1	653.2
<b>Scope 3 emissions in metric tonnes CO2e</b>		
Business travel in employee-owned vehicles	12	N/A
<b>Total gross emissions in metric tonnes CO2e</b>	<b>5,311</b>	<b>1,429</b>
<b>Intensity ratio (staff headcount)</b>	<b>516</b>	<b>531</b>
<b>Tonnes CO2e per member of staff</b>	<b>10.29</b>	<b>2.69</b>

## 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.

A critical flood in April 2022 resulted in a significant reduction in gas usage for the reporting period but temporary oil-fired boilers employed to provide hot water to the Croydon campus saw a significant net increase in Scope 1 emissions in the same period. The remaining oil usage for the next period will be noted from August to October 2022 on the subsequent 2022-23 report when the gas-fired boilers were brought back online.

## 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 updated our Sustainability Strategy for 2021-22 with a number of initiatives to improve our energy efficiency and reduce CO2 emissions as well as promoting environmental sustainability projects across our teaching and learning.

Our five-year strategy for the installation of low energy LED lighting for both campuses, that encompasses all new refurbishments, has seen new installations in our art, eSports, T-level engineering and a new staff room all to be opened for the new academic year. Curriculum areas celebrated The Great Big Green Week in September 2021 with specific environmental events as well as publicising sustainability and re-wilding projects at our Coulsdon site.

There has been a further significant reduction in desktop printers and paper usage in a drive to reduce printing for both students and staff across both campuses as well as introducing recycled paper as the default for cross college printing. 2022-23 will see a significant programme of window and roofing replacements at our Croydon campus and projects to reduce energy consumption further including the re-instatement of a biomass boiler at our Coulsdon campus to provide sustainable energy for the campus.