

**INSPIRED**

# Streamlined Energy & Carbon Reporting (SECR)

South Hampshire College Group

FY2024





# SECR Highlights

South Hampshire College Group

Reporting Year: 1<sup>st</sup> August 2023 – 31<sup>st</sup> July 2024

## Year-on-year Changes

- This is the first year of reporting for South Hampshire College, so there are no year-on-year comparisons included in this report.

## Energy Saving Projects: Highlights

- Combined Heat & Power (CHP) Refurbishment
- Building Management System (BMS) Implementation

## Carbon and Energy Overview

Table 1: Energy Source Breakdown for Total Location-Based Emissions.

	Natural Gas & Other Fuels	Electricity	Transport	Total
FY2024 Carbon & Energy Consumption				
kWh	4,780,814	3,013,934	184,916	7,979,664
tCO <sub>2</sub> e	875.86	624.04	41.21	1,541.11

Table 2: Emission Intensity Breakdown for Total Location-Based Emissions.

	Natural Gas & Other Fuels	Electricity	Transport	Total
FY2024 Carbon Intensity Metric				
tCO <sub>2</sub> e per Staff Number	1.26	0.90	0.06	2.21

N.B. The reported Scope 1, 2 and 3 emissions have been rounded to two decimal places. As this is the first year of reporting, no year-on-year comparisons are included in this report.



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## Executive Summary

SECR disclosures are mandatory for listed and large unlisted UK companies with reporting cycles beginning on or after 1<sup>st</sup> April 2019.

This report summarises South Hampshire College Group’s (South Hampshire College) energy usage, associated emissions, energy efficiency actions and energy performance under the government policy Streamlined Energy & Carbon Reporting (SECR). This is implemented by the Companies (Directors’ Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018. Mandatory information for compliance is outlined on pages 4, 6 and 7 of this report.

The appendix (page 7) includes the methodologies utilised for all calculations related to the elements reported under energy and carbon.

Under the legislation, South Hampshire College must disclose its energy consumption, emissions, intensity metrics and all energy efficiency improvements implemented for all UK operations.

South Hampshire College is a UK-incorporated business. An operational boundary has been applied for the purposes of the reporting.

A total of 46.89% of consumption data used for SECR has been estimated to achieve 100% data coverage.

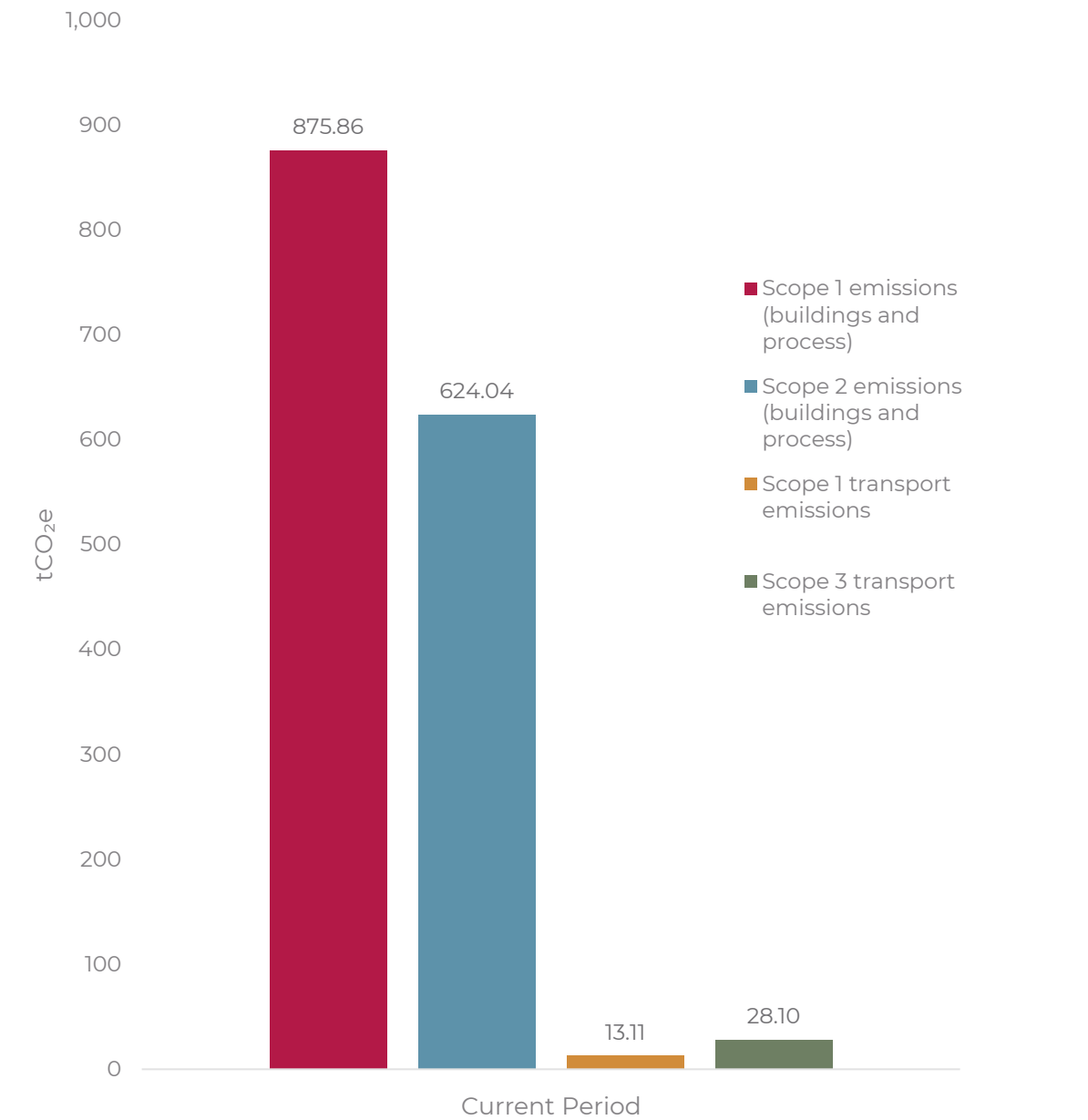
### Reporting Year: August 2023 – July 2024

South Hampshire College’s Scope 1 direct and Scope 3 indirect emissions (combustion of natural gas, other fuels and transportation fuels) for this reporting year are 917.07 tCO<sub>2</sub>e, resulting from the direct combustion of 4,965,730 kWh of fuel (Table 1).

Scope 2 indirect emissions (purchased electricity) for this reporting year are 624.04 tCO<sub>2</sub>e, resulting from the consumption of 3,013,934 kWh of electricity purchased and consumed in day-to-day business operations (Table 1).

South Hampshire College’s operations have an intensity metric of 2.21 tCO<sub>2</sub>e per Staff Number for this reporting year (Table 2).

**Figure 1: Scope 1, 2 and 3 emissions (tCO<sub>2</sub>e) for this reporting period.**





The following tables show the consumption and associated emissions for financial year ending July 2024 for all operations.

South Hampshire College has disclosed its mandatory consumption and emissions data for its UK operations. Total consumption and location-based emissions are reported in Tables 4 and 5.

Scope 1 consumption and emissions include direct combustion of natural gas, and fuels utilised for transportation operations, for example, company vehicle fleets.

Scope 2 consumption and emissions cover indirect emissions related to the consumption of purchased electricity in day-to-day business operations.

Scope 3 consumption and emissions cover emissions resulting from sources not directly owned by South Hampshire College i.e., grey fleet business travel undertaken in employee-owned vehicles only.

Table 3: South Hampshire College Group Total Emissions Intensity Metrics.

Intensity Metrics	FY2024	FY2024
Total Staff Number	696.00	696.00
Reporting Method	Location-Based tCO <sub>2</sub> e per Staff Number	Market-Based tCO <sub>2</sub> e per Staff Number
All Scopes (1, 2 & 3)	2.21	2.41

## Annual Reporting Figures: Consumption & Location-Based Emissions

Table 4: South Hampshire College Group Total Energy Consumption (kWh).

Utility and Scope	FY2024 Consumption (kWh)
	UK
Scope 1 Total	4,839,640
Natural Gas and Other Fuels (Scope 1)	4,780,814
Transportation (Scope 1)	58,827
Scope 2 Total	3,013,934
Grid-Supplied Electricity (Scope 2)	3,013,934
Scope 3 Total	126,090
Transportation (Scope 3)	126,090
Total	7,979,664

Table 5: South Hampshire College Group Total Location-based Emissions (tCO<sub>2</sub>e).

Utility and Scope	FY2024 Emissions tCO <sub>2</sub> e
	UK
Scope 1 Total	888.97
Natural Gas and Other Fuels (Scope 1)	875.86
Transportation (Scope 1)	13.11
Scope 2 Total	624.04
Grid-Supplied Electricity (Scope 2)	624.04
Scope 3 Total	28.10
Transportation (Scope 3)	28.10
Total	1,541.11

# Voluntary Dual-Reporting

Table 6: South Hampshire College Group Total Location and Market-based Emissions.

Utility and Scope	FY2024 Emissions	
	Location-based tCO <sub>2</sub> e	Market-based tCO <sub>2</sub> e
Scope 1 Total	888.97	888.97
Natural Gas and Other Fuels (Scope 1)	875.86	875.86
Transportation (Scope 1)	13.11	13.11
Scope 2 Total	624.04	762.72
Grid-Supplied Electricity (Scope 2)*	624.04	762.72
Scope 3 Total	28.10	28.10
Transportation (Scope 3)	28.10	28.10
Total	1,541.11	1,679.79

\*Grid-Supplied Electricity (Scope 2) emissions represent tCO<sub>2</sub> due to the market-based reporting methodology.

South Hampshire College dual-report on location-based and market-based emissions factors. Market-based emissions demonstrate the carbon reduction achieved by renewable electricity procurement. Market-based emissions are reported in tCO<sub>2</sub> only and reflect the specific emissions associated with a supplier-specific fuel mix or residual grid factor. Refer to the appendix for market-based methodology. Total market-based emissions are reported in Table 6.



# Year-on-Year Changes

This is the first year of reporting for South Hampshire College, so there are no year-on-year comparisons included in this report.

## Energy Efficiency Narrative

South Hampshire College is committed to year-on-year improvements in its operational energy efficiency. A register of energy efficiency measures has been compiled, with a view to implementing these measures in the next five years.

### Measures Undertaken In FY2024

#### Combined Heat & Power (CHP) Refurbishment

South Hampshire College has successfully refurbished and installed a gas-fired Combined Heat & Power (CHP) system. This will enable on-site self-generation of electricity starting in the next reporting year, significantly reducing reliance on external power sources. As a result, the South Hampshire College will be able to offset both its electricity usage and associated costs.

#### Building Management System (BMS) Implementation

The implementation of a BMS improves the control of heating and water so that they can be used more efficiently, reducing emissions.

### Measures To Be Addressed In FY2025

#### LED Lighting Retrofit

All South Hampshire College Group merger projects will engage in the replacement of halogen lighting with LEDs across the estate. LEDs will improve energy efficiency and reduce emissions.

#### Demolition of 3 sites

Plans are in place to demolish the three least energy-efficient sites, including Hamwic (SC), E Block (EC), and Palmerston (SC) sites. Demolishing these sites will reduce overall energy usage.

#### C Block Roof Replacement and Solar Panel Installation

The C Block site roof will be replaced and fitted with solar panels to begin self-generating renewable energy. Work is ongoing to analyse their efficiency and the potential to install batteries for storing excess power.



# Appendix

## Compliance Responsibility

This report has been prepared by the ESG division of Inspired PLC for South Hampshire College Group by means of interpreting the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 as they apply to information supplied by South Hampshire College Group and its energy suppliers.

South Hampshire College Group's registered CEO and CFO are responsible for complying with the Regulations. They must be satisfied that to the best of their knowledge, all relevant information concerning South Hampshire College Group's organisation structure, properties, activities and energy supplies has been provided to Inspired PLC.

This includes details of any complex ownership structures (for example, private equity funds, franchises for private finance initiatives) and electricity/gas usage that is covered by the EU Emissions Trading Scheme (ETS) or Climate Change Agreements (CCA) scheme generated on-site (including Combined Heat and Power (CHP)) or supplied to/from a third party (i.e. not a licenced energy supplier or a landlord/tenant).

## Reporting Methodology

This report (including the Scope 1, 2 and 3 kWh consumption and CO<sub>2</sub>e emissions data) has been developed and calculated using the *GHG Protocol – A Corporate Accounting and Reporting Standard* (World Resources Institute and World Business Council for Sustainable Development, 2004); *Greenhouse Gas Protocol – Scope 2 Guidance* (World Resources Institute, 2015); *ISO 14064-1 and ISO 14064-2* (ISO, 2018; ISO, 2019); *Environmental Reporting Guidelines: Including Streamlined Energy and Carbon Reporting Guidance* (HM Government, 2019).

Government Emissions Factor Database 2024 version 1.1 has been used, utilising the published kWh gross Calorific Value (CV) and kgCO<sub>2</sub>e emissions factors relevant for the reporting period 01/08/2023 – 31/07/2024.

Estimations were undertaken to cover missing billing periods for properties directly invoiced to South Hampshire College Group.

- For properties where South Hampshire College Group is indirectly responsible for utilities (i.e. via a landlord or service charge) or no data is available for the meter, the median consumption for properties with similar operations was calculated at the meter level and applied to the properties with no available data.
- For properties where South Hampshire College Group is indirectly responsible for utilities (i.e. via a landlord or service charge) or no data is available for the meter, consumption has been estimated using data from Meter Point AQ (Annual Quantity) which is an estimate of the amount of gas (in kWh) expected to be used at that meter point over a year. It's used by gas suppliers and network operators for billing, forecasting, and balancing the gas network.

These full-year estimations were applied to 3 electricity supplies and 14 gas supplies. All estimations equated to 46.89% of reported consumption.

Data completeness for this reporting period fell below the required threshold. To address this, South Hampshire College Group is implementing measures to improve data collection and validation processes ahead of the next reporting cycle. This includes engaging with utility providers to obtain more accurate and timely data, enhancing internal data tracking systems, and reducing reliance on estimations.

Reported market-based emissions for Grid Supplied Electricity (Scope 2) have been calculated using the supplier-specific factors for Npower (0.000296 tCO<sub>2</sub>/kWh), SSE (0.000135 tCO<sub>2</sub>/kWh), EDF Energy (0.000136 tCO<sub>2</sub>/kWh), and Corona Energy (0.000466 tCO<sub>2</sub>/kWh) for the electricity supplied to South Hampshire College from August 2023 to July 2024. For sites with no supplier-specific emissions factor, a residual factor (0.0004166 tCO<sub>2</sub>/kWh) was used.

Intensity metrics have been calculated using total tCO<sub>2</sub>e figures and the selected performance indicator agreed with South Hampshire College Group for the relevant report period:

Staff Number **FY2024**

**696.00**



# Glossary

Scope 1: Emissions associated with gas usage, other fuels and transportation fuels (under the company's control).

Scope 2: Emissions associated with the consumption of purchased electricity are presented on both a location-based (using country average electricity emission factors) and market-based (considering any purchased renewable generated electricity) approach.

Scope 3: Company's value chain emissions, divided into 15 categories, as established by the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting & Reporting Standard. Under SECR this is limited to emissions resulting from sources not directly owned by the company. For example, grey fleet business travel undertaken in employee-owned vehicles only.

Location-based emissions: Methodology to calculate Scope 1 and 2 emissions using the average grid emissions factor of a region.

Market-based emissions: Methodology to calculate Scope 1 and 2 emissions using emissions factors specific to the contractual instruments in place.

tCO<sub>2</sub>: Tonnes of carbon dioxide gas released into the atmosphere. This metric is often used when reporting electricity market-based emissions factors.

tCO<sub>2</sub>e: Greenhouse gases have different global warming potentials and are converted to a carbon dioxide equivalent to ease comparison and reporting.



# Quality Review

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