



Myerscough
College

INSPIRING EXCELLENCE

Streamlined Energy and Carbon Reporting 2022 - 2023



JULY 2023

Streamlined Energy and Carbon Reporting (SECR)

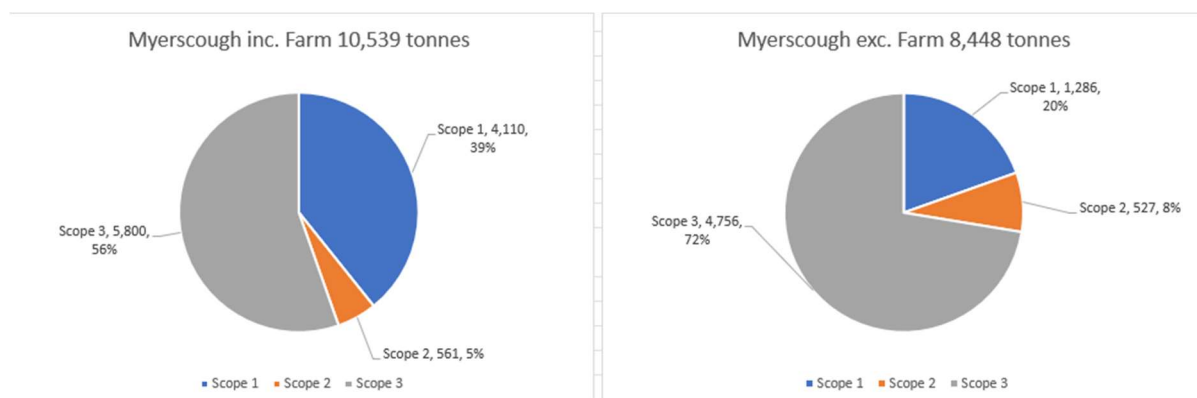
SECR aims to bring the benefits of carbon and energy reporting to organisations. The reporting framework is intended to encourage the implementation of energy efficiency measures, with both economic and environmental benefits, supporting business in cutting costs and improving productivity at the same time as reducing carbon emissions.

1. Introduction

Myerscough College is a specialist land-based, science, engineering and sports college operating from a large rural site situated north of Preston, Lancashire. The College also operates from several other centres across the North West. The estate occupied by the College is incredibly diverse in nature and includes: general and specialist teaching resources to support a wide range of pre-16, Further Education, Higher Education and Apprenticeship programmes; residential accommodation for learners living on campus; equine facilities which support both curriculum and commercial activities; golf course; and, agricultural and farming facilities and extensive grounds, again to support both curriculum and commercial activities.

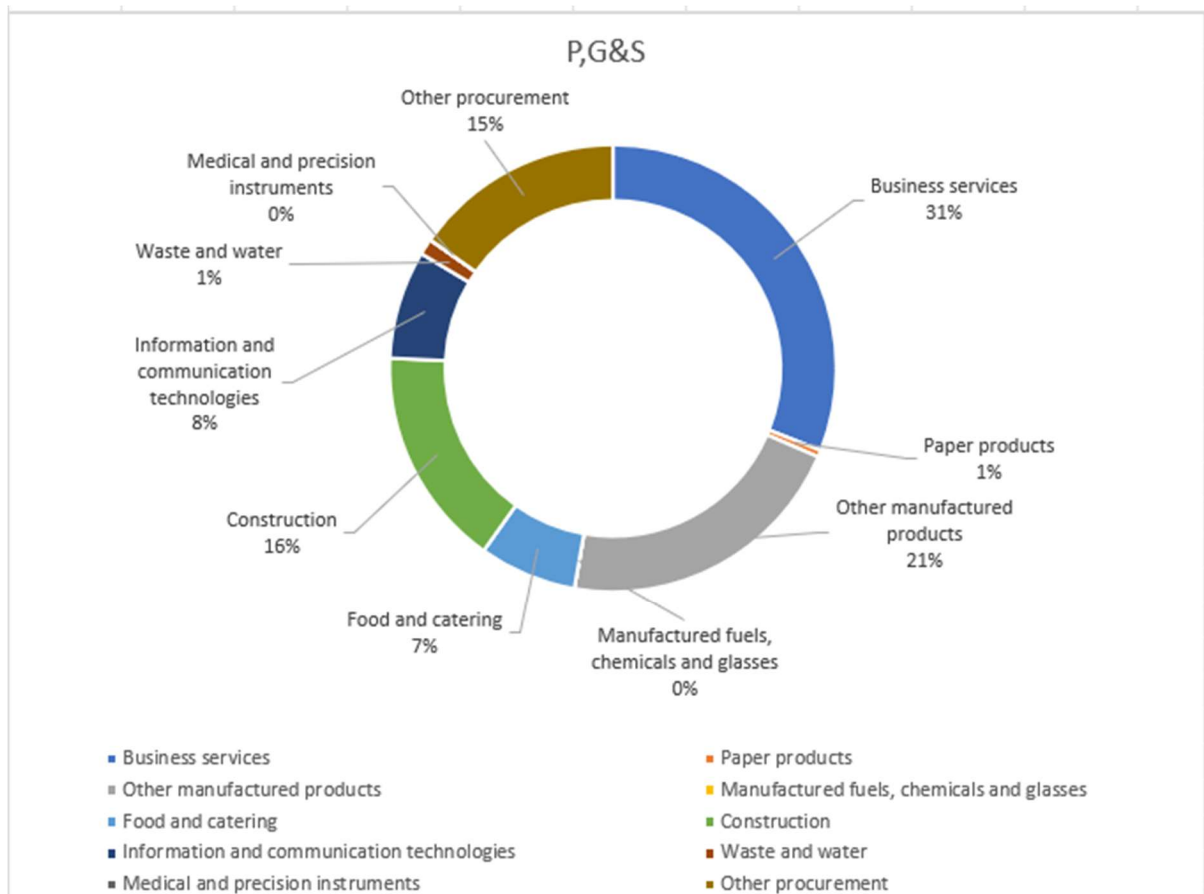
2. Energy Use and Carbon Emissions Data for 22–23 Year

| Energy Consumption used to calculate emissions (kWh) | Aug 2020 – July 2021 | Aug 2023- July 2024 |
|--|----------------------|---------------------|
| Electricity (kWh) | 2,810,974 | 2,407,567 |
| Heating Fuels (kWh) | 490,741 | 942,739 |
| Gas (kWh) | 9,111,555 | 5,993,899 |
| Transport Fuels (kWh) | 385,850 | 499,830 |
| TOTAL (kWh) | 12,799,120 | 9,844,035 |



| | Aug 20 – July 21 | Current Reporting Year Aug 22 – July 23 |
|--|--------------------------|---|
| Scope 1 Emissions in metric tonnes tCO₂e | | |
| Gas tCO ₂ e | 1672 | 1099.9 |
| Heating Fuels tCO ₂ e | 38 | 73 |
| Other Fuels tCO ₂ e | Not previously available | 148.4 |
| Owned transport tCO ₂ e | 87 | 112.7 |

| | | |
|--|--------------------------|----------------|
| Land related emissions & livestock tCO ₂ e | Not previously available | 2676.1 |
| Total Scope 1 tCO₂e | 1797 | 4110.1 |
| Scope 2 Emissions in metric tonnes tCO₂e | | |
| Purchased Electricity tCO ₂ e | 655 | 561 |
| Scope 3 Emissions in metric tonnes tCO₂e | | |
| Business travel in Employee-Owned Vehicles, transmission, and waste tCO ₂ e | 86 | 332.7 |
| Purchased Good & Services | Not previously available | 3922.6 |
| Capital Projects | Not previously available | 580.9 |
| Employee Commuting | Not previously available | 963.8 |
| Total Scope 3 tCO₂e | 86 | 5800 |
| Total Gross Emissions tCO₂e | 2538 | 10471.1 |
| Intensity ratio (No. Staff) | 883 | (based on 833) |
| Tonnes CO₂e per Member of Staff | 2.87 | 12.57 |



3. Reporting Methodology

Reporting Period: 1st August 2022 – 30th July 2023

This report has been completed on a voluntary basis as the College is not required to report its energy and carbon emissions within its Annual Report. This is the third year of voluntary SECR carbon reporting and the data is assisting the College to determine the types of actions necessary to further reduce its carbon emissions. Additionally this report has now followed GHG Protocol in reporting Scope 3 carbon emissions

The College has followed the 2019 HM Government Environmental Reporting Guidelines and the 2020 UK Government's Conversion Factors for Company Reporting to calculate the Streamlined data and data.

The College operates from a number of local authority-controlled premises in Blackburn, Liverpool and Warrington. The College also utilises premises which form part of Old Trafford Cricket Club in Manchester. All energy consumption data for these premises has not been available and estimated data has been included for the Liverpool and Warrington centres. The area of these premises is small in comparison to the rest of the college estate. The College will continue to work with the relevant authorities to obtain all the necessary information to improve the accuracy of the information reported.

4. Intensity Measurement

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

5. Measures Taken to Improve Energy Efficiency

During the reporting period the College has implemented a series of measures to reduce the carbon footprint from its activities.

- Additional solar array installation at Preston Campus
- Boiler replacements
- Led lighting internal external
- Further lighting efficiency improvements were completed as part of an on-going drive to improve efficiency.
- Staff encouraged to continue the use of Microsoft teams and other software for virtual meetings to reduce travel by staff and suppliers.

Behaviour Change - Carbon Literacy training for Staff

64 Staff have now been trained in Carbon Literacy with 128 pledges to reduce GHG emissions made. This has been delivered internally using the Carbon Literacy Project training materials for Further Education and Higher Education institutions. The definition of carbon literacy is;

“a term used to describe an awareness of climate change, and the climate impacts of mankind’s everyday actions.”



For the academic year of 24 / 25 students will also have the opportunity to receive carbon literacy training.

6. Carbon Sequestration

In 2023 as part of Arbor day the college planted:
 1.46 ha of woodland
 111 standard trees
 525 metres of hedgerow

Myerscough farmland
 29,354 tonnes of CO₂ sequestered.



Further environmental, social and economic goals.

All curricula have been mapped against the UN’s Sustainable Development Goals with Climate Action being a key goal to focus on. A report was created from this with recommendations and actions for curriculum areas.

