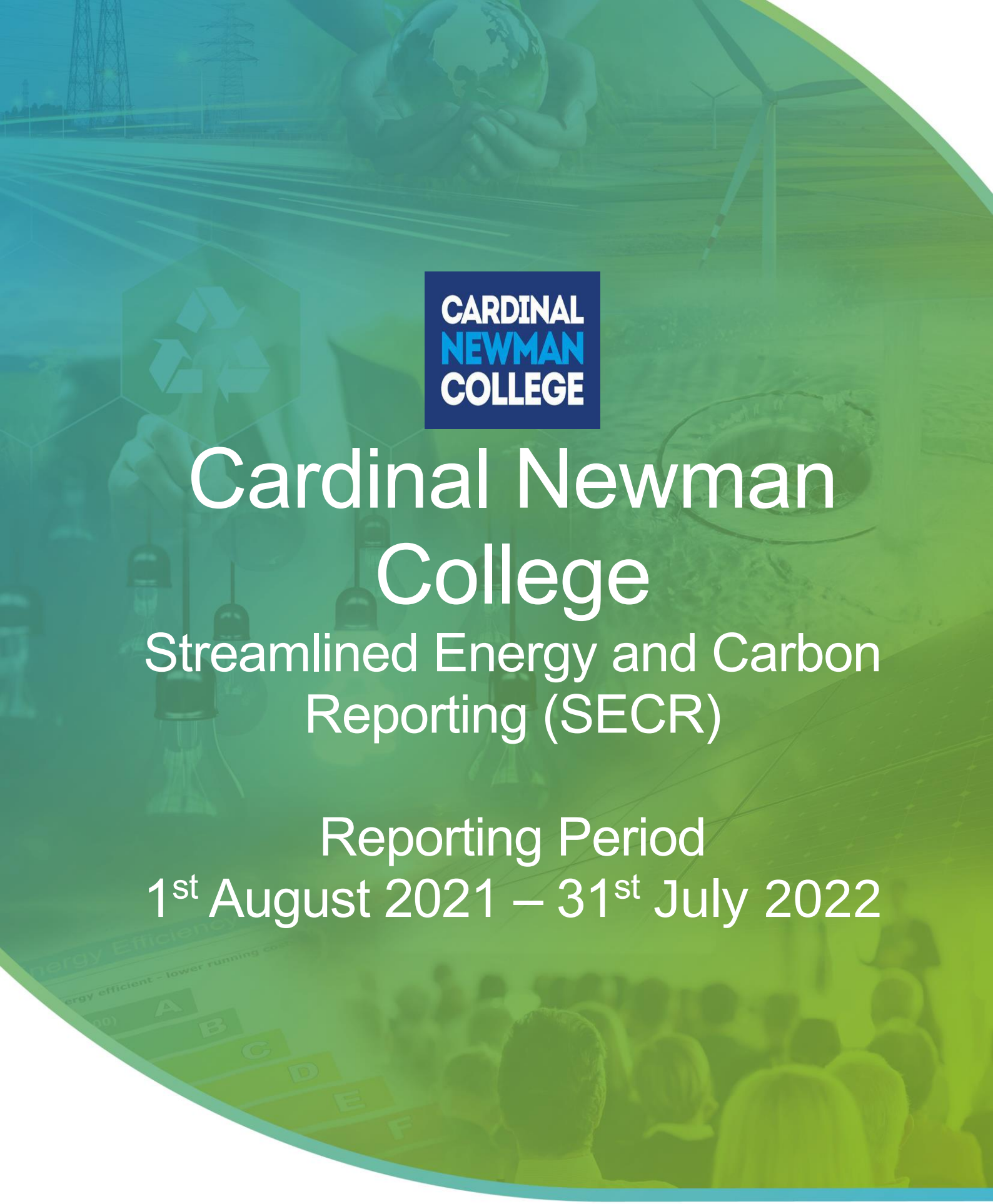

Cardinal Newman College

Streamlined Energy and Carbon Reporting (SECR)

Reporting Period
1st August 2021 – 31st July 2022

East Lancashire Chamber of Commerce
Making Your Business Successful

SUSTAINABLE DEVELOPMENT GOALS

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1. SECR Energy Use and Carbon Emissions Disclosure

Cardinal Newman College disclose their energy use and greenhouse gas emissions for which they are responsible in line with SECR requirements. This is the first year of SECR reporting and is aligned with the academic and their financial year **01/08/2021** to **31/07/2022**.

Publication Date: 11.10.2022	**Current Reporting Year 2021-2022**	**Comparison Year 2020-2021**
Energy Consumption Used to Calculate Emissions **Heating Fuels** (kWh)	1,459,738	1,583,191
Energy Consumption Used to Calculate Emissions **Electricity** (kWh)	1,179,566	905,225
Energy Consumption Used to Calculate Emissions **Transport Fuels** (kWh)	8,687	0
Scope 1 - Emissions Combustion from **Heating Fuels** (tCO_2e)	311.86	339.61
Scope 1 - Emissions Combustion from **Transport Fuel** (tCO_2e)	2.59	0
Scope 1 – Emissions from **Fugitive F Gas Release** (tCO_2e)	32.36	0
Scope 2 - Emissions from **Purchased Electricity** (tCO_2e)	308.52	263.69
Scope 3 – Emissions from the Supply and Consumption of **Paper** (tCO_2e)	123.05	33.11
Scope 3 - Emissions Consumption from **Business Travel in Non-College Vehicles** (tCO_2e)	1.24	0.41
Scope 3 - Emissions Consumption from **Waste (Refuse Derived Fuel)** (tCO_2e)	23.01	0.38
Scope 3 - Emissions Consumption from **Dry Mixed Packaging Waste Recycled** (tCO_2e)	22.42	0.36
Scope 3 - Emissions Consumption from **Water Supply**(tCO_2e)	0.75	0.44
Scope 3 - Emissions Consumption from **Water Treatment** (tCO_2e)	1.37	0.81
Scope 3 - Emissions Consumption from **Staff Commute Car** (tCO_2e)	402.18	351.10
Scope 3 - Emissions Consumption from **Staff Commute (Bus)** (tCO_2e)	7.27	3.83
Scope 3 - Emissions Consumption from **Staff Commute (Train)** (tCO_2e)	3.94	1.92
Scope 3 - Emissions Consumption from **Student Commute Car** (tCO_2e)	485.24	354.28
Scope 3 - Emissions Consumption from **Student Commute (Bus)** (tCO_2e)	1,954.53	938.85
Scope 3 - Emissions Consumption from **Student Commute (Train)** (tCO_2e)	49.03	21.84
Intensity Ratio **(per College Student)**	0.85	0.58
Total Emissions (tCO_2e)	3,729.37	2,312.67

1.1 Methodology

We have followed the ESFA Streamlined Energy and Carbon Reporting (SECR) 2020 Guidance. We have also used the GHG Reporting Protocol – Corporate Standard and have used the 2022 UK Government's Conversion Factors for Company Reporting. Carbon emissions are therefore reported as Scope 1, 2 and 3 emissions.

1.2 Benchmarking and Intensity Metrics

Cardinal Newman College has chosen to utilise an intensity metric that will support comparison to the baseline emissions in future years and will hopefully also seek to measure its emissions against peers for transparency. The chosen intensity measurement ratio is total gross emissions in metric tonnes CO_2e per student.

In Financial Year August 2021 to July 2022 the College employed 359 Staff and had 4042 students. The total gross emission member of student population is 0.85 tonnes CO_2e.

1.3 Energy Efficiency Actions

It has been identified that the college is proactively engaged with the sustainability agenda on several fronts including the engagement with students and staff, improving the energy efficiency of its buildings and the recycling of some waste streams there is still some room for improvement and focus. The progressive and reactive substitution of fluorescent light bulbs with LED lighting will reduce electricity consumption significantly. Regular staff and student travel surveys and data management will support development and the updating of its Green Travel Plan. The college installed photovoltaic arrays on 3 buildings.

1.4 Greenhouse Gas Emissions Avoided

The College has 3 photovoltaic arrays, data for kWh generated and consumed was not available for the reporting year. Staff and student commute to the college via cycling and walking, when compared to commute by car avoided 4.93 and 156.00 tCO_2e respectively a total of 160.92 tCO_2e.

Areas for improvement include developing policies and strategies for Net Zero, Energy Efficiency, Travel, Procurement, Waste and Resources Management.

2. Background

2.1 Organisational Background

Cardinal Newman College is a Catholic Sixth Form and Higher Education institution based in Preston Lancashire, England. Cardinal Newman College is built around a manor house and chapel. The college is a mixture of different aged buildings of different architectural styles and periods with some elements being listed.

Not all buildings have their own gas fuelled boilers but are shared across 2 or more. Gas and electricity are purchased from the grid network.

Cardinal Newman College is an exempt charity and incorporated sixth form college, this is the second year of SECR carbon reporting under the college accounts direction. The baseline year for 2020/2021 is also reported for comparison.

3. Commentary of Works

East Lancashire Chamber of Commerce (ELCC) Sustainability Team have been appointed by Cardinal Newman College to undertake the works necessary for SECR reporting, with works undertaken in an independent nature in respect of the UK energy use and associated greenhouse gas emissions for the organisation for the Financial Year ending 31st July 2022.

ELCC Sustainability Team compiled data from both internal and external sources including utility providers, as well as the internal facilities and finance department at Cardinal Newman College. While the regulations set out a legal requirement to report on emissions, many organisations recognise that there is an ethical and social requirement to reducing carbon emissions - so that the amount that is reported each year is reduced. We would urge Cardinal Newman College to continue to take proactive and urgent action to reduce its emissions and are able to support them in these activities.

3.1 Reduction, Targets and KPIs

It is recommended that Cardinal Newman College commit to the development of a carbon reduction policy in 2022/23 and to formulate strategic environmental KPIs and targets, which will be embraced and owned by top management to promote success throughout the business. Coupled with this, systems to better capture data (particularly travel data) would provide more accurate reporting in future and reduce the amount of estimation used to compile the results.

3.1 Scope 1

Natural Gas is consumed for space heating across all buildings operated by Cardinal Newman College. Consumption data was extracted from the meter readings supplied and supported by supplier invoices. No buildings consume any other form of heating fuel, such as oil. Business Travel (College Minibuses) were provided with the submission of fuel card.

3.2 Scope 2

Scope 2 emissions are made up exclusively from purchased electricity. Consumption data was extracted from the meter readings document and supported by supplier invoices.

3.3 Scope 3

Scope 3 emissions are made up of Water Consumed (Domestic), Wastewater Disposal (Domestic), Wastes generated and disposed of, paper consumption, Business travel undertaken by Staff using their own private vehicles, Staff and Student Commute.

"To further the economy of the region and the interests of the members."

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