

Streamlined Carbon and Energy Report 2023-2024

Introduction

This report includes the UK based annual energy usage and associated greenhouse gas emissions in line with the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 ("the 2018 Regulations") that came into force 1 April 2019 for Bishop Burton College and its subsidiaries. This SECR return includes mandatory data for Scope 1 & 2 emissions for the period August 2023 - July 2024.

Green House Gas Data

We have used 2020-2021 as the base year as this was the first year we could fully include all reporting data. 2023-2024 showed an overall decrease of 19% vs the base year, a 4% reduction on PY.

Category	Energy Source	Energy kWh		TCO2e		Emissions Change vs BY	Emissions Change vs PY
		2020/2021	2023/2024	2020/2021	2023/2024		
Scope 1							
Heating	Natural Gas	5700889	4198562	1048	768	-27%	-10%
	Other	788086	448986	168	91	-46%	-21%
Transport	Diesel	503108	591893	121	142	17%	-8%
Fugitive Emissions (kg)		1	6	2	13	633%	N/A
Scope 1 Total		6992084	5239448	1339	1013	-24%	-10%
Scope 2							
Purchased Electric	Electricity	2858294	2815746	666	583	-13%	7%
Self-Generated Renewables	Electricity		135065		28	N/A	14%
Scope 2 Total		2858294	2950811	666	611	-8%	7%
Total Scope 1&2		9850378	8190259	2005	1624	-19%	-4%

Intensity Ratios

We have chosen to use the intensity ratio Floor Area. We have seen the emissions reduction mirrored in these figures.

Category	Quantity		Ratio		Change vs Base Year	Change vs Previous Year
	20/21	23/24	20/21	23/24		
Floor area	59271	59271	0.0338	0.02739	-19%	-4%

Energy Efficiency Actions

During the 2023-2024 financial year we took the following actions which have contributed to our emissions reductions:

- Installed insulation across our Main Reception Building and Princess Anne Centre.
- Initiated the installation of air-source heat pumps and decommissioning of gas boilers in our Main reception and University Centre Buildings (works completed in winter 2024).
- Rolled out Environmental Sustainability training as part of staff inductions to promote energy efficiency actions.
- Replaced all the lighting in our animal unit with LED as part of a building refurbishment.
- Reduced our Diesel usage by 50 % in our Greenhouses by running at an ambient temperature through the winter months.

Our purchased electric usage decreased by 0.5 % vs PY, the increase in emissions was driven by the UK energy mix.

Methodology

Organisational Boundary – we have compiled the data based on the Financial Control Organisational Boundary Guidance. This means our Riseholme Park Campus is excluded from the calculations.

Emissions Calculations - we have followed the GHG protocol using 2024 GHG conversion factors. Currently the report includes Scope1 & Scope 2 emissions, we hope to expand this in 24/25 to include some areas of Scope 3.