

Inspire Education Group

STREAMLINED ENERGY AND CARBON REPORT

Be Bold, Be Brave, Be Exceptional

o 2023 - 2024

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INTRODUCTION

The Group is committed to reducing its carbon emissions and this report shows that the measures taken in prior years and during the year are having an impact.

There has been an overall reduction of 4.7% in total gross emissions since the 2021-22 baseline year, with 6.6% reduction in Scope 1 and 3.5% reduction in Scope 2, but a 34% increase in emissions relating to Scope 3 business travel. IEG has taken the following measures in the year to improve energy efficiency:

PETERBOROUGH

- Consolidated provision in Peterborough to maximise building utilisation.
- Centre for Green Technology build commenced. This is a new net zero building at Peterborough to deliver Green Technologies curriculum.
- Replaced 17 distribution boards on the Peterborough campus.
- Two buildings have had their boilers replaced.
- Warm air heating unit to replace old gas boiler, new water heater and pipes in one building.
- Upgraded external lighting on the Peterborough campus to LED.
- 339 lights replaced to LED throughout the buildings.
- Insulation and recovering of roofs to reduce thermal loss in three areas.
- Windows and heating replacements in 12 rooms on the Peterborough campus.

• Upgraded equipment in commercial kitchens was installed to reduce food waste.

STAMFORD

- Upgrades of 62 lights to LED.
- Insulation and recovering of roofs to reduce thermal loss.
- 2 boilers replaced with 1 energy efficient model.

GROUP

- Encouraged hybrid working across the group for staff.
- Promoted the cycle to work scheme for staff.
- Reviewed the home-to-College transport for students to reduce duplication where public transport routes exist, while encouraging the use of public transport where possible.
- Staff have undertaken training on new methods of emissions reduction in the Construction industry.
- Upgrading of and reduced the digital signage to timer-controlled energy efficient models.

4.7%

Reduction in total gross emissions since 2021-22.

RECOGNITION OF IEG PROGRESS

- The Group won a Green Apple International Silver Award for Environmental Best Practice in Education and Training 2023.
- The Group won an International Gold award in the Corporate Social Responsibility (CSR) awards 2024 for the work undertaken to reduce our carbon footprint, and embed sustainability and new green technologies to our learners.
- The Modern Methods of Construction Centre on the Stamford campus won an International Building & Construction Green Apple Award 2024.
- The Group maintained its Investors in the Environment (IIE) Green award, showcasing that the improvement works being undertaken are reducing our carbon footprint and improving environmental sustainability.







FUTURE PLANS

- Boiler replacement for the main building at Peterborough – moving from 50% to 60% efficiency up to 97% gross seasonal efficiency, condensing boilers that will significantly reduce energy usage and provide a reliable source of heat.
- Replacement of more windows on the Peterborough site.
- Replace the Group pool vehicles with lower emission alternatives.
- Green Technology Centre will be open early 2025 and will have the capability of generating nearly 70,000 KwH per annum of electrical power through its Photovoltaic panels.
- Staff to undertake further Environmental and Sustainability courses.
- Raising awareness throughout the Group of our waste and recycling processes to reduce the tonnage that comes on and off site.
- Create an additional a low carbon teaching space in Stamford.
- Reusing old boilers from site and local companies to be used as teaching resources.
- Our Commercial catering team are working towards:
 - Greater levels of discount available for reusable containers / cups /
 - Working with suppliers to take away their own packaging and reduce the amount they use in general.







EMISSIONS AND ENERGY USE

The Group's greenhouse gas emissions and energy use for the period calculated in line with the 2019 HM Government Environmental Reporting Guidelines, the GHG Reporting Protocol - Corporate Standard and the 2024 UK Government's Conversion Factors for Company Reporting are as follows:

UK Greenhouse gas emissions and energy use data for the period	2021-22 Baseline	2023/24	
Energy Consumption Used to Calculate Emissions (kWh)			
Gas	4,073,880.50	3,733,219.45	
Electrical	2,886,249.50	2,590,255.28	
Transport Fuel	99,714.29	207,030.76	
Scope 1 Emissions in Metric Tonnes CO2e			
Gas Consumption	733.30	682.81	
Owned Transport	23.97	25.97	
Total	757.27	708.78	
Scope 2 Emissions in Metric Tonnes CO2e			
Purchased electricity	523.92	505.72	
Scope 3 Emissions in Metric Tonnes CO2e			
Business travel in employee owned vehicles	17.36	24.66	
Total Gross Emissions in Metric Tonnes CO2e	1,298.55	1,239.16	
Intensity Ratio*			
Metric Tonnes CO2e per staff member	1.58	1.31	
Metric Tonnes CO2e per enrolled student	0.13	0.11	
Metric Tonnes CO2e per square meter floor area	0.027	0.026	

*Three intensity ratios are reported showing emissions (tCO2e) per staff member, per student body and per square meter floor area. Emissions per staff member is the recommended ratio for the sector for consistency and comparability. Emissions per student body is reported to reflect the end users of the emissions. Emissions per square meter floor area is reported to reflect the energy efficiency of the buildings, which are the source of the majority of reported emissions.

Be Bold, Be Brave **Be Exceptional**



Education Group





Stamford College www.stamford.ac.uk 01780 484300



University Centre Peterborough www.ucp.ac.uk 01733 214466

This document can be made available in large print, audio, and Braille. Translation can also be available upon request.

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