

Carbon Reduction Plan

Commitment to achieving Net Zero

East Coast College is committed to achieving Net Zero emissions (scopes 1 and 2) and minimising scope 3 emissions where possible by 2050.

Baseline Emissions Footprint

The reporting scope complies with the requirements of the UK Government Streamlined Energy and Carbon Reporting (SECR) standard.

The College's baseline emissions for the year 1st August 2022 to 31st July 2023 were:

Energy Consumption	Lowestoft	Great Yarmouth	Lound	Total
Gas (kWh)	1,784,898	2,346,676	0	4,131,574
Electricity (kWh)	1,581,752	766,790	2,579	2,351,121
Travel: College Vehicles (miles)				26,941
Travel: staff vehicles (miles)				80,180
Scope 1 emissions (tCO ₂ e)				
Gas	327.5	422.4	0.0	743.7
Travel: college vehicles				9.5
Scope 2 emissions (tCO ₂ e)				
Electricity	305.88	158.8	0.5	486.9
Scope 3 emissions (tCO ₂ e)				
Travel: staff vehicles				21.5
Total gross emissions (tCO ₂ e)				1,261.5
FTE staff total				450
Emissions per staff member (tCO ₂ e)				2.80

Current Emissions Reporting

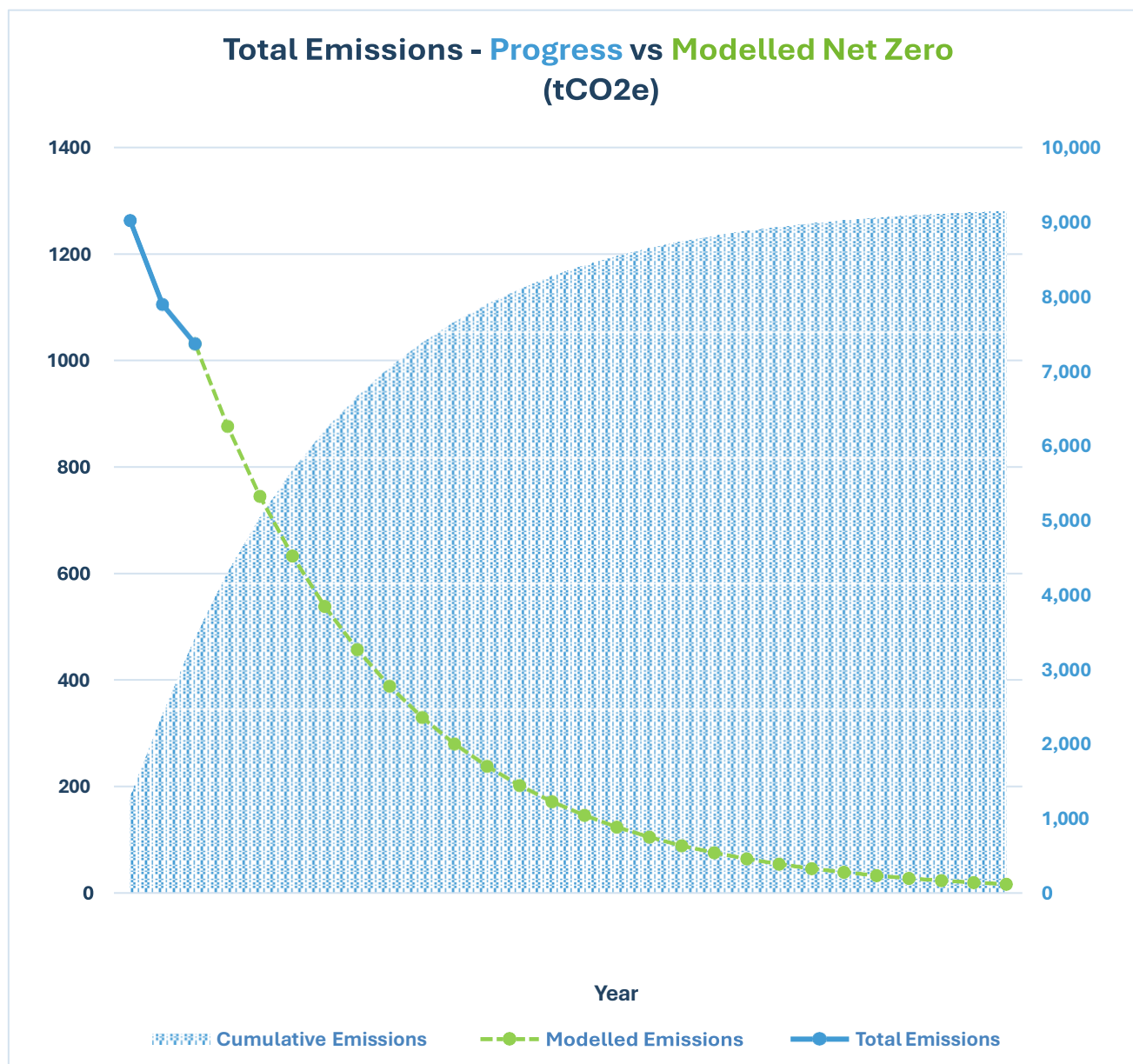
The College's baseline emissions for the year 1st August 2024 to 31st July 2025 were:

Energy Consumption	Lowestoft	Great Yarmouth	Lound	Total
Gas (kWh)*	1,892,948	1,373,335	0	3,266,283
Electricity (kWh)*	1,509,249	717,850	22,292	2,249,391
Travel: College Vehicles (miles)				31,998
Travel: staff vehicles (miles)				82,353
Scope 1 emissions (tCO ₂ e)				
Gas	346.3	251.3	0.0	597.6
Travel: college vehicles				12.6
Scope 2 emissions (tCO ₂ e)				
Electricity	267.1	127.1	3.9	398.1
Scope 3 emissions (tCO ₂ e)				
Travel: staff vehicles				22.2
Total gross emissions (tCO ₂ e)				1,030.5
FTE staff total				460
Emissions per staff member (tCO ₂ e)				2.24

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next nine years to 378 tCO₂e by 2035. This is a reduction of 70%. There is an aim to achieve net-zero in Scope 1 (fuel use) and Scope 2 (electricity) by 2050.



The College's completed carbon reduction projects include:

- Provision of the electricity supply from a Renewable Energy Guarantees of Origin (REGO) certified 'green' tariff
- A highly insulated cover has been installed on the environmental tank in order to reduce heat loss from the water, thereby reduce heating costs
- Two hybrid cars have been purchased which can be used by staff for business travel
- A policy of local purchasing has been adopted for produce used in the College refectories

- All waste produced by the College is separated into categories to allow for recycling to be maximised
- Recycled and non-bleached paper products are purchased for use in washrooms

In the future we hope to implement further measures such as:

- The decarbonisation of the gas element of energy use. An initial drop in gas use will be realised with the redevelopment of the Great Yarmouth campus. A longer-term plan is to replace boilers with non-fossil fuelled alternatives when existing components become uneconomical to maintain, completing no later than 2050.
- An assessment of existing electricity use from lighting, air conditioning and IT equipment will be undertaken and used to plan a reduction strategy, for example replacing fluorescent lighting with LEDs.
- Investigating opportunities to install further renewable energy generation on the existing estate, including the Lound campus, and ensure provision is included in new building designs where possible.
- Reducing business travel needs and shifting to more efficient transport modes where possible with the aspiration to electrify all remaining private transport trips.
- Replacing College-owned vehicles at end-of-life with Electric Vehicle (EV) equivalents.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the College Corporation.

Signed on behalf of East Coast College

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>