



# Streamlined Energy and Carbon Report 2021

NEWHAM COLLEGE OF FURTHER EDUCATION

30-11-2021



## QUALITY REVIEW AND APPROVAL RECORD

The Inenco Group is committed to delivering the highest possible standard of service and operates a Quality Management System certified to ISO 9001: 2015.

As part of this process, your deliverable has been checked and authorised for issue, as evidenced by the approval record below.

Customer Name: Newham College of Further Education

Project Ref: 252384047

Documents held at: Inenco Lytham

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Date	30/11/2021

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## INTRODUCTION

This report has been produced by Inenco to provide the necessary information to achieve compliance with Streamlined Energy and Carbon Reporting for the financial year ending 31<sup>st</sup> July 2021.

### Eligibility- Non-Quoted

We have confirmed that Newham College of Further Education meets 2 or 3 of the following criteria for the most recent Financial Year, so must disclose their UK electricity, gas and transport energy consumption and associated emissions:

- Turnover over £36m
- Assets of over £18m
- More than 250 employees

This UK-incorporated company, or group of companies, is not Listed on a stock exchange such as the London Stock Exchange, so is classified as a Non-Quoted Large Company.

### Mandatory disclosure

The information provided in this report should be inserted into Newham College of Further Education Annual Directors' Report to ensure compliance with The Companies Act 2006 (Strategic Report and Directors' Report) Regulations 2013 and The Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018; the latter commonly referred to as Streamlined Energy & Carbon Reporting (SECR).

## INFORMATION FOR PUBLICATION IN ANNUAL REPORT

### Summary

Newham College of Further Education greenhouse gas emissions, reportable under SECR in the 2020/2021 financial year were 1,076 tonnes CO<sub>2</sub>e.

These include the emissions associated with UK electricity and natural gas consumption, and business travel in company vehicles by employees. Newham College of Further Education greenhouse gas emissions were 34% lower than in previous year. The intensity of 29.72 tonnes CO<sub>2</sub>e per million pounds of revenue is 41% lower than last year.

### Greenhouse gas emissions

Figure 1 Greenhouse gas emissions by year (tonnes CO<sub>2</sub>e)

Emissions source	2019/20 (location-based)	2020/21 (market-based)	Share (%)	YoY Variance (%)
Fuel combustion: Natural gas	998	1,014	94.32%	2%
Fuel combustion: Transport	4	0.3	0.02%	-93%
Purchased electricity	633	61	5.65%	-90%
<b>Total emissions (tCO<sub>2</sub>e)</b>	<b>1,635</b>	<b>1,076</b>	<b>100%</b>	<b>-34%</b>
Revenue (£m)	£32.328	£36.19		12%
<b>Intensity: (tCO<sub>2</sub>e per £m)</b>	<b>50.58</b>	<b>29.72</b>		<b>-41%</b>

\* The 2020/2021 emissions figure for purchased electricity above (and used throughout) reflects our investment in a zero-carbon electricity tariff at all our sites from April 2020 onwards. In the terms of the *Greenhouse Gas Protocol*, this is called ‘market-based’ reporting - as opposed to ‘location-based’ reporting. Location-based reporting does not take into account the electricity supply contracts a company has and instead uses a national carbon emissions factor for electricity. Following the location-based methodology (which is required to be also reported under SECR alongside market-based figures), our 2020/2021 emissions from electricity were 547 tCO<sub>2</sub>e (including transmission and distribution losses), giving total emissions of 1,638 tCO<sub>2</sub>e and an intensity of 45.25 tCO<sub>2</sub>e per £m of revenue – a 10.5% reduction on 2019/2020.

Figure 2 Greenhouse gas emissions by scope (tonnes CO<sub>2</sub>e)

Emissions source	2019/20 (location-based)	2020/21 (market-based)	Share (%)	YoY Variance (%)
Scope 1	1,000	1,015	94%	1%
Scope 2	583	0	0%	-100%
Scope 3	52	61	6%	17%
<b>Total emissions (tCO<sub>2</sub>e)</b>	<b>1,635</b>	<b>1,076</b>	<b>100%</b>	<b>-34%</b>

*Scope 1: Natural gas and company-operated transport. Scope 2: Electricity. Scope 3: Losses from electricity distribution and transmission. This only includes emissions reportable under SECR and may not reflect the entire carbon footprint of the organisation.*

There are zero emissions showing for scope 2. This is due to the green rate now used by Newham College of Further Education.

## Energy consumption

Figure 3 Energy consumption by year (kWh)

Emissions source	2019/20	2020/21	Share (%)	YoY Variance (%)
Natural gas for heating	5,427,640	5,538,609	71.80%	2%
Transport fuel	13,967	1,124	0.01%	-92%
Electricity	2,500,231	2,174,318	28.19%	-13%
<b>Total consumption (kWh)</b>	<b>7,641,075</b>	<b>7,714,051</b>	<b>100.00%</b>	<b>1%</b>

## Boundary, methodology and exclusions

An ‘operational control’ approach has been used to define the Greenhouse Gas emissions boundary<sup>1</sup>.

This approach captures emissions associated with the operation of all buildings such as warehouses, farms and manufacturing sites, plus company-owned and leased transport. This report covers UK operations only, as required by SECR for Non-Quoted Large Companies.

This information was collected and reported in line with the methodology set out in the UK Government’s Environmental Reporting Guidelines, 2019.

Emissions have been calculated using the latest conversion factors provided by the UK Government. There are no material omissions from the mandatory reporting scope.

The reporting period is January to December 2020, as per the financial accounts.

## Energy efficiency initiatives

Newham College has undertaken the following energy efficiency measures in the 2020/21 financial year:

- 1) All lights across all campus’s replaced with LED
- 2) Our three college vans replaced with 2 electric vehicles
- 3) All boilers replaced with new more energy efficient ones

<sup>1</sup> An operational control approach to GHG emissions boundary is defined as: “Your organisation has operational control over an operation if it, or one of its subsidiaries, has the full authority to introduce and implement its operating policies at the operation”.



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