

An aerial photograph of London, England, featuring the Gherkin building (30 St Mary Axe) in the foreground. The city's dense urban landscape, including the River Thames and the Tower Bridge, is visible in the background. The image is framed by large, semi-transparent teal shapes on the left and bottom right.

# Green New Deal Working Group Progress and New City College Highlight

21 September 2022

The logo for the London Anchor Institutions' Network, consisting of a teal crosshair symbol.

London  
Anchor  
Institutions'  
Network

# The Green New Deal Working Group supports and accelerates London anchor institutions in their commitment to environmental sustainability, with a core emphasis on **estate decarbonisation** and **workforce development**.

Over the last six months, the Working Group and its members have:

- Developed 6 core decarbonisation and workforce development targets
  - 2 anchors looking to accelerate greenhouse gas emissions reduction targets
- Identified 18+ priority buildings to apply to/seek financing from Public Sector Decarbonisation Scheme, Salix, the Mayor's Energy Efficiency Fund, and/or Mayor's planned green finance facility
- Formalised 1 relationship with Retrofit Accelerator-Workplaces
  - 3 additional anchors engaged/considering formalising

## Our members:

- University of London
- National Health Service
- London South East Colleges
- Church of England – Diocese of London
- London Jewish Forum
- New City College
- Association of Colleges



# New City College

## Estate decarbonisation at New City College

September 2022



**Pre 2016**

**Tower Hamlets College**

- 4 sites within Tower Hamlets
- 1,500 16-18s  
2,000+ adults
- 300 staff
- £20m turnover



**August 2016**

**Merger with Hackney Community College**



**April 2017**

**Merger with Redbridge College**



**August 2018**

**Merger with Epping Forest College**

**August 2019  
New City College**

**Mergers with Havering College of Further and Higher Education and Havering Sixth Form College**

- 9 sites with 5 local authority areas
- 9,500 16-18s  
10,000+ adults
- 1,800 staff
- £100m turnover



**CREATION OF NEW CITY COLLEGE FEBRUARY 2017**

## Estate

- Size:
  - 9 sites in East London and South Essex; language school in Bournemouth
  - Total area covered: 110,000+ sqm
- Buildings' age:
  - Oldest buildings Grade II listed from late 1800s
  - Newest building opened in 2021. Another under construction.

## Carbon emissions

- Total carbon emissions (2020/21) : 3,917 metric tonnes of CO<sub>2</sub>e ( 19,999,716 kWh)
  - *Scope 1* - gas consumption and owned transport: 54.2%
  - *Scope 2* - purchased electricity : 45.6%
  - *Scope 3* - business travel in employee-owned vehicles: 0.1%
- Tracking started in 2019/20
- *Scope 3* knowledge improving, 2022/23 data to include business travel, water and waste (initial)





- Green Strategy launched in 2020, with phase 1 delivered in 2021
- Ambition to become ‘greener’ but no proper understanding of the ‘how’
- Initial work focused on understanding baseline of carbon emissions and improving ability to track emissions data
- Investment into an in-house Environmental Sustainability Manager (in post since January 2022)
- In short: initial work on environmental sustainability started but no decarbonisation plan and no significant reduction in emissions

- **High level heat decarbonisation plan in place for each campus and detailed plans commissioned for every campus** with funding from Salix's Low Carbon Skills Fund – to be completed by March 2023
- **First two applications for Salix Public Sector Decarbonisation Scheme prepared and ready for submission** in autumn 2022
- **Signed up to GLA's Retrofit Accelerator – Workplaces programme** with a target of procuring a contractor for the decarbonisation works by spring 2023 (aligned with Salix PSDS applications)
- **Target: first two sites transitioned from gas to low carbon heat sources by December 2023**

# NCC has undertaken key actions internally and externally to plan, engage stakeholders, and secure resources to accelerate decarbonisation.



Key Challenge	NCC Approach
<b>Capital cost of decarbonisation</b>	<ul style="list-style-type: none"> <li>• <b>Developing a multi-year decarbonisation plan</b> to allow cost phasing</li> <li>• <b>Creating a dedicated Green Investment Board</b> to approve internal investment decisions</li> <li>• <b>Seeking advice on available grant funding</b>, e.g. through Green New Deal WG</li> <li>• <b>Applying for Salix funding</b> to develop detailed decarbonisation plans + works</li> <li>• <b>Procuring a contractor through GLA's Retrofit Accelerator-Workplaces (RA-W)</b> to minimise upfront costs and ensure access to high quality supplier</li> </ul>
<b>Need for data needed to guide action</b>	<ul style="list-style-type: none"> <li>• <b>Using RA-W data</b> to inform NCC discussions on costs and support Salix/procurement</li> <li>• <b>Learning from Anchors &amp; other networks</b>, e.g. UoL Scope 3 emission tracking</li> <li>• <b>Improving BMS</b> now: software reconfiguration, eventually: system upgrades</li> </ul>
<b>Behavioural changes required to reduce energy use</b>	<ul style="list-style-type: none"> <li>• <b>Building CEO and Senior Management Team buy-in</b> to reinforce messaging</li> <li>• <b>Investing in in-house expertise</b> through Environmental Sustainability Manager post</li> <li>• <b>Developing building temperature protocols</b></li> <li>• <b>Training estates staff on carbon literacy</b> to increase understanding on the 'why'</li> <li>• <b>Creating a practical communications pack</b> to all staff – and repeating it</li> </ul>



1. Submit Salix applications in autumn 2022 and procure a contractor for the works through GLA RA-W
2. Continue to investigate options for the decarbonisation of electricity, e.g. installation of solar panels
3. Launch NCC wide campaign on reducing energy consumption
4. Develop carbon literacy training for estates managers with funding from the Strategic Development Fund – to be available for a wider provider network

# Targets Status: Carbon Reduction

	2024 Target	2030 Target	Further Targets
<b>University of London</b>	75% reduction <i>by 2025</i>	86% reduction (scopes 1 and 2)	<b>2036: net zero (scopes 1 and 2)</b>
<b>New City College</b>	20% reduction	<b>Net zero on scope 1 and 2*</b>	--
<b>London South East Colleges</b>	TBD	TBD	2035: 50% reduction <b>2050: net zero (scopes 1 and 2)</b>
<b>National Health Services</b>	TBD	80% reduction in carbon footprint (scopes 1 and 2) <i>2028-2032</i>	<b>2040: net zero (scopes 1 and 2)</b>
<b>Church of England - Diocese of London</b>	2025: 50% reduction <i>by 2025</i>	<b>Net zero on scope 1 and 2</b>	--
<b><i>London Jewish Forum</i></b>	<i>Umbrella organisations facilitating member entities</i>		
<b><i>Association of Colleges</i></b>			

*\*Dependent on securing Salix funding for all sites and alignment with broader redevelopment planning*

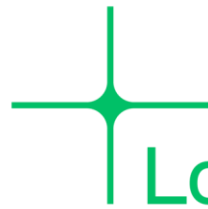
# The Green New Deal Working Group is connecting anchors with GLA programs to support their decarbonisation efforts:

## Retrofit Accelerator - Workplaces

*Anchors informed/engaged:*  
NHS, University of London, New City College, London Jewish Forum

## Green funding/finance

*Anchors informed/engaged:*  
NHS, New City College, London South East Colleges, University of London



## London Anchor Institutions' Network

## Mayoral Academies and Skills Boot Camp

*Anchors informed/engaged:* New City College

## Warmer Homes

*Anchors informed/engaged:* Church of England, London Jewish Forum

## Business Climate Challenge

*Anchors informed/engaged:* NHS