



**GREATER  
LONDON  
AUTHORITY**



London  
Anchor  
Institutions'  
Network



**Bloomberg Associates**



**London Recovery Board**  
**London Anchor Institutions' Network Green New Deal Working Group**  
Meeting 3  
April 2022

# LRB GND Meeting 3

## Aim of the session:

- Discuss workplan and agree on Anchor responsibilities
- Discuss case study on estate decarbonisation plan
- Discuss funding available for retrofits and pipeline development

Items	Speaker
1. Updated targets and workplan	• Alejandro Colsa Perez (GLA)
2. University of London Estate Decarbonisation Plan	• Matthew Wilkinson (UoL)
3. Green Bonds	• Simon Wyke (GLA)
4. Faith organisations approach to workplan	• Nicholas Biskinis (GLA)

# Updated targets and workplan

# WG goal and interim targets

**Goal:** To lead London's net zero efforts by **accelerating public estate decarbonisation** and **ensuring a robust and trained workforce** to meet industry needs for building decarbonisation.

Focus area	Targets	Date
Estate Decarbonisation	All Anchor buildings to have a reliable measure of their energy consumption, which is publicly shared (e.g. through a benchmark such as DEC/EPC)	March 2023
	All Anchors to have an estate decarbonisation plan in place setting out the actions they will each take to achieve net zero-carbon (with a <u>measurable interim target by 2030</u> )	March 2023
	X % reduction in energy consumption of Anchors' estate	March 2024
Workforce Development	100% of estates' staff trained in carbon literacy and energy data literacy	March 2023
	X number of people trained in decarb-related skills ( <i>for skills providers</i> )	March 2024
	X number of people from target populations* placed in level 2+ apprenticeships and work placements in building decarbonisation that pay London Living Wage	March 2024

**Anchors are expected to participate in the Retrofit Accelerator Workplaces and GLA Skills Bootcamps in the 2022-23 years to access support needed to reach interim targets.**

# KPIs (to be tracked by each Anchor)

Focus area	KPIs	Unit
<b>Estate Decarb.</b>	No. of new anchor buildings put forward for deep retrofit (either through PSDS, Green Bond, or any other available funding source)	No. of buildings and m <sup>2</sup> of space
	No. of anchor buildings and m <sup>2</sup> of space retrofitted (funded and completed)	No. of buildings and m <sup>2</sup> of space
	Annual energy and carbon savings (potential and actual)	KWh and tCO <sub>2</sub> e savings (potential and actual)
	Investments in decarbonisation projects	£ invested
<b>Workforce Development:</b> Anchors' decarb. projects	No. of staff trained in carbon and energy data literacy	No. of people trained
	No. of people placed in level 2+ apprenticeships and work placements that pay LLW in building decarbonisation projects	No. of people placed (total and from target populations*)
<b>Workforce Development:</b> London-wide green skills development	No. of people enrolled in programmes in which Green/Environmental context are a key component: <ul style="list-style-type: none"> <li><u>For HE</u>: green/environmental Foundation Year, Undergraduate and Postgraduate courses.</li> <li><u>For FE</u>: green/environmental Apprenticeships, NVQs, BTEC and/or T-levels, particularly those green skill shortage areas such as Heat Pumps, Retrofit courses at Level 2 and above.</li> </ul>	No. of people enrolled in courses (total and from target populations*)  No. of people placed in apprenticeships, NVQs, BTEC and/or T-levels (total and from target populations*)
	<u>For FE</u> : No. of training sessions delivered to support estate decarbonisation skills development through GLA funded programmes (Skills bootcamps, GLA's Academies Programmes, etc.).	No. of training sessions delivered and total no. of hours

# WG Actions

Focus area	Actions	Anchors	Date (end of)
Estate Decarb.: Energy consumption/ carbon data	Identify number of buildings within estate that do not have energy consumption data (e.g., DEC/EPC)	NHS	June 2022
	Estate decarbonisation plan: <ul style="list-style-type: none"> <li>• If already have it: share actions to achieve net zero-carbon</li> <li>• If needs to be developed: identify the key milestones, support needed to develop the plan and internal staff to be involved</li> </ul>	NHS , UoL, LSEC, NCC	August 2022
	Develop a plan on how to obtain energy consumption data on all buildings	NHS	December 2022
	Set interim target on carbon/energy reduction by end of Year 1 and Year 2	NHS , UoL, LSEC, NCC	January 2023
Estate Decarb.: Retrofit activity	Engage with RA-W and LEA programmes to fully understand scope of opportunity	NHS , UoL, LSEC, NCC	May 2022
	Identify internal stakeholders on regional teams that need to be involved for decisions on retrofit activities/pipeline development	NHS	May 2022
	Identify a number of buildings (quick wins) that can be put forward as part of pipeline development <ul style="list-style-type: none"> <li>• <u>NHS</u>: ICS estate buildings</li> <li>• <u>UoL</u>: smaller properties</li> </ul>	NHS , UoL, LSEC, NCC	September 2022
	Announce pipeline retrofit projects on press release	NHS , UoL, LSEC, NCC	November 2022
	Work with GLA delivery programmes to prepare funding submissions for next round of PSDS, GLA Green Bond, and any other source of funding available	NHS , UoL, LSEC, NCC	December 2022 (TBC)

# WG Actions

Focus area	Actions	Anchors	Date (end of)
<b>Workforce development:</b> Anchors' debarb. projects	Identify internal team to involve on workforce development focus area	NHS, UoL	May 2022
	Present experience with responsible leadership training to Anchors	NHS	May 2022
	Identify number of staff needing training in carbon and energy data literacy	NHS, UoL, LSEC	June 2022
	Identify steps to provide Anchors with a course pack on carbon and energy data literacy training	NCC	June 2022
	Connect with GLA Employment and Skills team to identify opportunity to engage with Mayoral Academies and Skills Bootcamps programmes	NHS, UoL, LSEC, NCC	July 2022
<b>Workforce development:</b> London-wide green skills development	<u>If skills provider (FE/HE):</u> identify the ways in which other Anchors can support your green skills provision.	UoL, NHS, LSEC	July 2022
	<u>If skills provider (HE):</u> Identify number of people enrolled in courses with estate decarbonization / environment related units (total and from target populations)	UoL	August 2022
	<u>If skills provider (FE):</u> Identify number of people placed in estate decarbonisation/environment related apprenticeships, NVQs, BTEC and/or T-levels at level 2+ (total and from target populations)	LSEC, NCC	August 2022

# University of London Zero Carbon Strategy





**UNIVERSITY  
OF LONDON**

# Zero Carbon Strategy

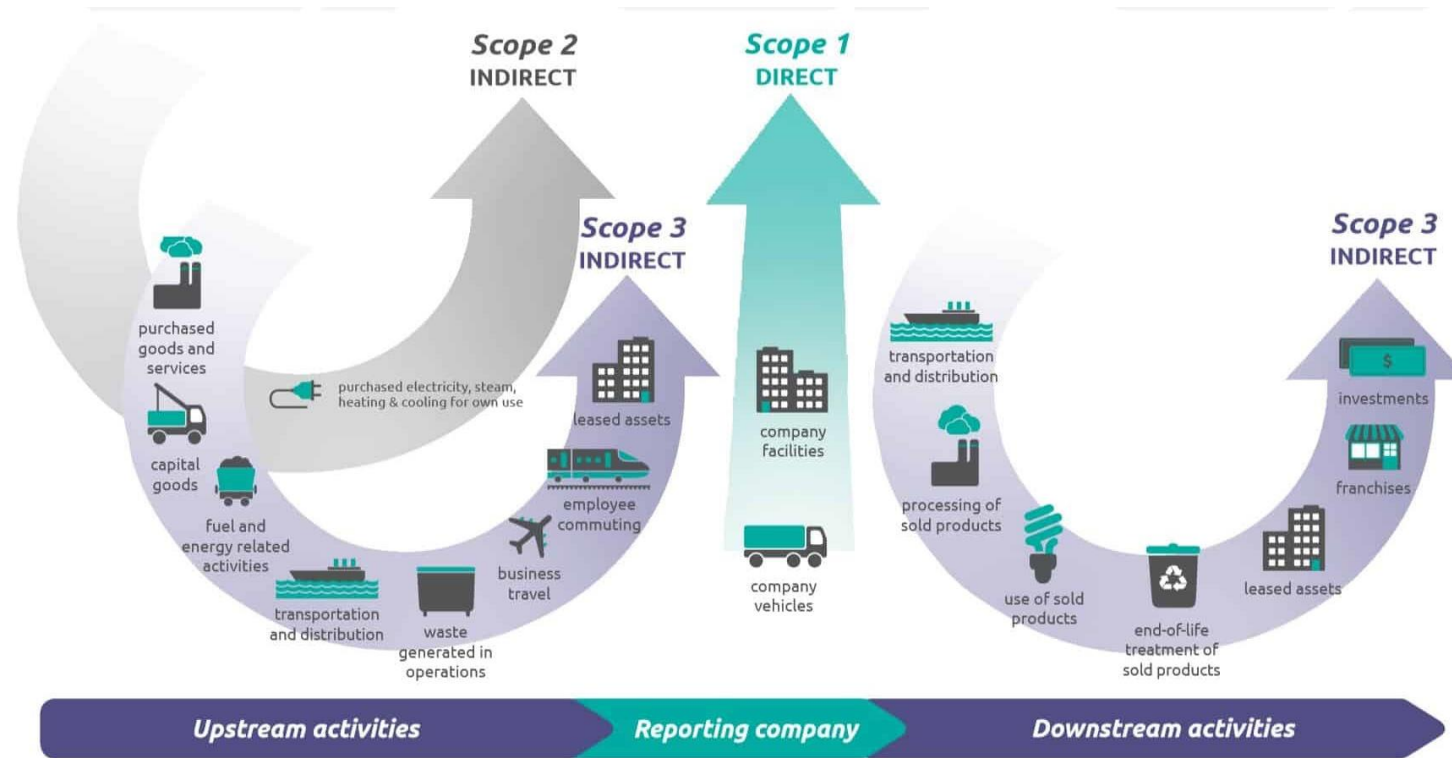
Green New Deal Working Group

April 2022

# Targets

**Net Zero Operational  
Carbon by 2036  
(scope 1 & 2)**

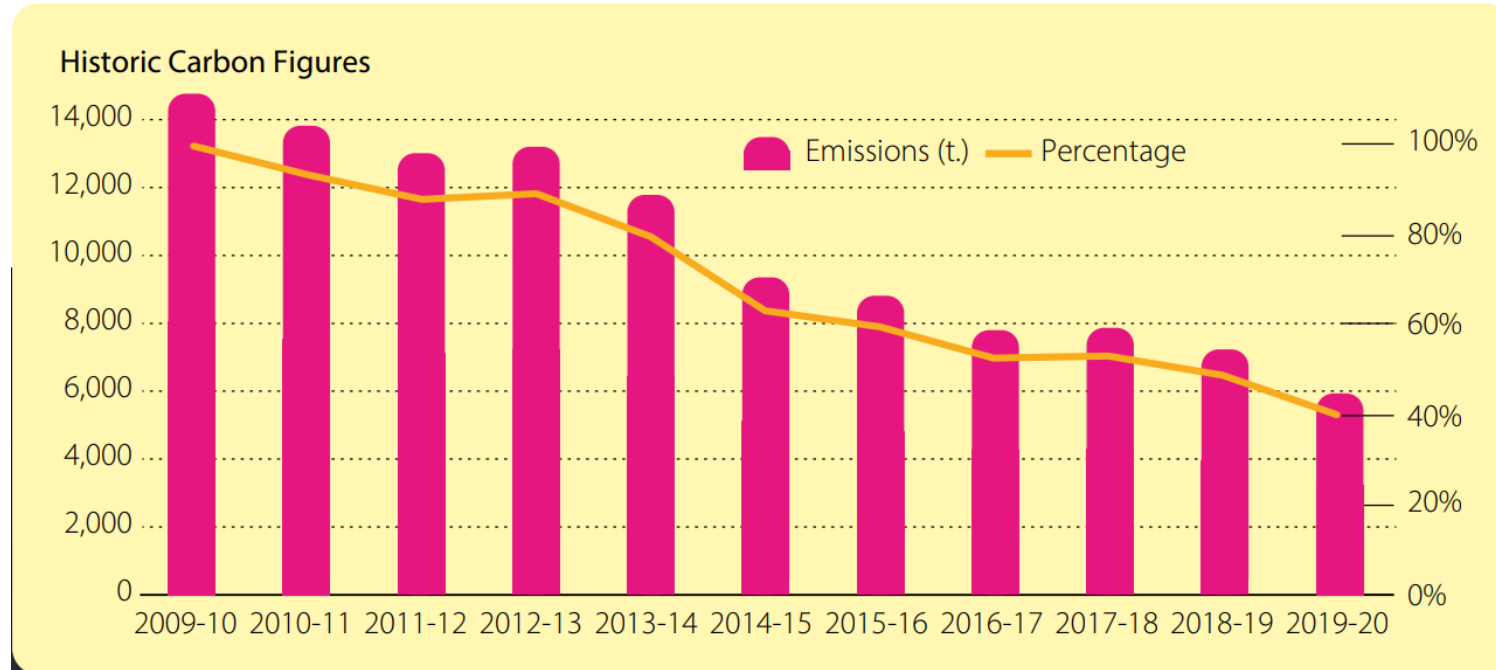
**Net Zero Carbon TBC  
(scope 1, 2 & 3)**



# The Higher Education Sector

- The 2036 target is line with the HE sector's drive to zero carbon
- 61 institutions have zero carbon targets
- Target dates range from 2023 to 2050
  
- There is increasing pressure from students and NUS to achieve zero carbon by 2030
- 24 institutions have 2030 zero carbon targets

# Progress to Date



2020-21: 66% Reduction

Progress reported annually in the Sustainability Report and HESA EMR Return

# Key Interventions



Upgrade the BHP district heating network



Engage in an aggregated Power Purchase Agreement



Transition the data centre to the cloud



Electrify the non-BHP heating provision



Reduce energy consumption through refurbishments



All new builds to achieve Passivhaus standard



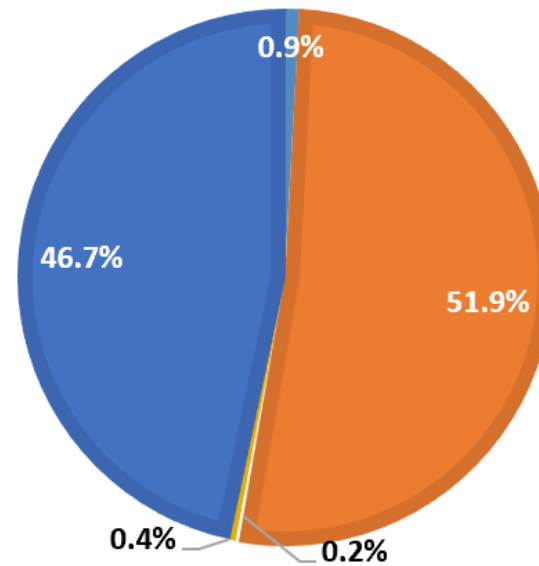
# Zero Carbon Phasing

	2020-2025	2026-2030	2031-2036
CO2 Reductions	23%	8%	9%
Total CO2 Reduction Vs. Baseline	76%	84%	93%
Key Projects	<ul style="list-style-type: none"><li>• PPA</li><li>• BHP Upgrade</li><li>• DC Removal</li><li>• Lillian Penson Disposal</li></ul>	<ul style="list-style-type: none"><li>• Nutford House</li><li>• Student Central</li><li>• International Hall</li><li>• ITB &amp; 20 Russell Square</li></ul>	<ul style="list-style-type: none"><li>• Connaught Hall</li><li>• BHP Network to Zero Carbon</li></ul>

# Scope 3 Emissions

**Total Emissions: 85,151tCO<sub>2</sub>e**

■ Travel ■ Procurement ■ Waste + Water ■ T+D ■ Leased Assets



**SCOPE 3 EMISSIONS**

# Key Interventions



Understand and phase tenants' decarbonisation plans



Support and accelerate tenants' decarbonisation plans



Long term contracts: understand & support decarbonisation plans



New contracts: Ensure decarbonisation plans align & monitor



Rationalise international travel





# Mayoral Green Bond Update

# Proposed approach to workplan with faith community organisations

# Net Zero & Faith Communities Overview & Themes

## Overview

- The Mayor's goal for London to attain net zero by 2030 involves a just Green Transition that is inclusive of all Londoners.
- Faith communities representatives – whether operating as structured/hierarchical stakeholders or holding more voluntary/horizontal relationships have great potential to advance net zero within their respective communities and this could form the basis of an ideas hub where faith community stakeholder can share/exchange ideas within the Working Group.

## Differences between Anchors faith communities and public sector stakeholders

- We recognise that the kind of Anchors targets and outputs appropriate for a structured organisation in the public sector are not necessarily applicable to faith communities due to different denominations, individual structures, and governance.
- Places of worship may also hold important cultural sensitivities and historical significance in design and architecture which can be a challenge for structural changes relating to net zero

## Estate decarbonisation – ideas to explore:

- Use Anchors' advice and expertise to establish/gauge how to maximise opportunities for 'green' energy efficiency measures for the buildings in their control and cascade ideas on measuring energy efficiency to congregants or partner faith organisations.
- Pool/share expertise and best practice to see how they can expand/progress decarbonisation.

## Workforce development/Community Outreach – ideas to explore:

- Use existing schemes (e.g. EcoSynagogue) to draw awareness of net zero and GLA programmes to their congregants – such as Green Academies or Skills Bootcamps.
- Use leverage to promote/signpost available workforce development programmes for green skilling (e.g. by training estates staff on sustainability or in using procurement to use suppliers that are providing green apprenticeships.)

# Net Zero & Faith Communities – Current Activity

There are a number of on-going examples of faith communities engaging in net zero activity:

## 1 EcoSynagogue

- EcoSynagogue is a voluntary initiative launched by a group of North London synagogues in association with the Board of Deputies of British Jews.
- The initiative involved synagogues signing up an on-line Environmental Audit covering 5 pathways to net zero, including 'Land, Buildings & Consumables', and 'Community & Global Engagement'. EcoSynagogue assesses each participant and awards Gold, Silver and Bronze Awards. EcoSynagogue provides advice and engagement events to help synagogues achieve those pathways.

## 2 Church of England Net Zero Carbon Church

- In 2019 the General Synod (governing body of the Church of England) agreed a policy of establishing net zero for the whole Church of England by 2030. As part of this, a package of webinars and advisory documents are available within an arching guidance of 'A Practical Path to Net Zero Carbon'.
- This sets out how C of E buildings can be checked and their energy efficiency verified, what steps are needed to make them green plus when permission is needed where a modification may change the character of a church's architecture and heritage.
- This includes a checklist on installations, green heat pumps etc and working with the local Diocese Environmental Officer (DEO).
- This example is distinct from the EcoSynagogue in that it involves a faith stakeholder with a vertical/hierarchical structure.

# Next steps

- **Confirm Working Group agenda structure going forward – Anchor to present at each meeting**
- **Meetings with Greater London Authority staff on estate decarbonisation programmes (RA-W and LEA) and workforce development (Mayoral Academies and Skills Bootcamps)**
- **Involvement of relevant internal stakeholders to follow workplan**

**The next Working Group meeting will be the week of May 29<sup>th</sup>**