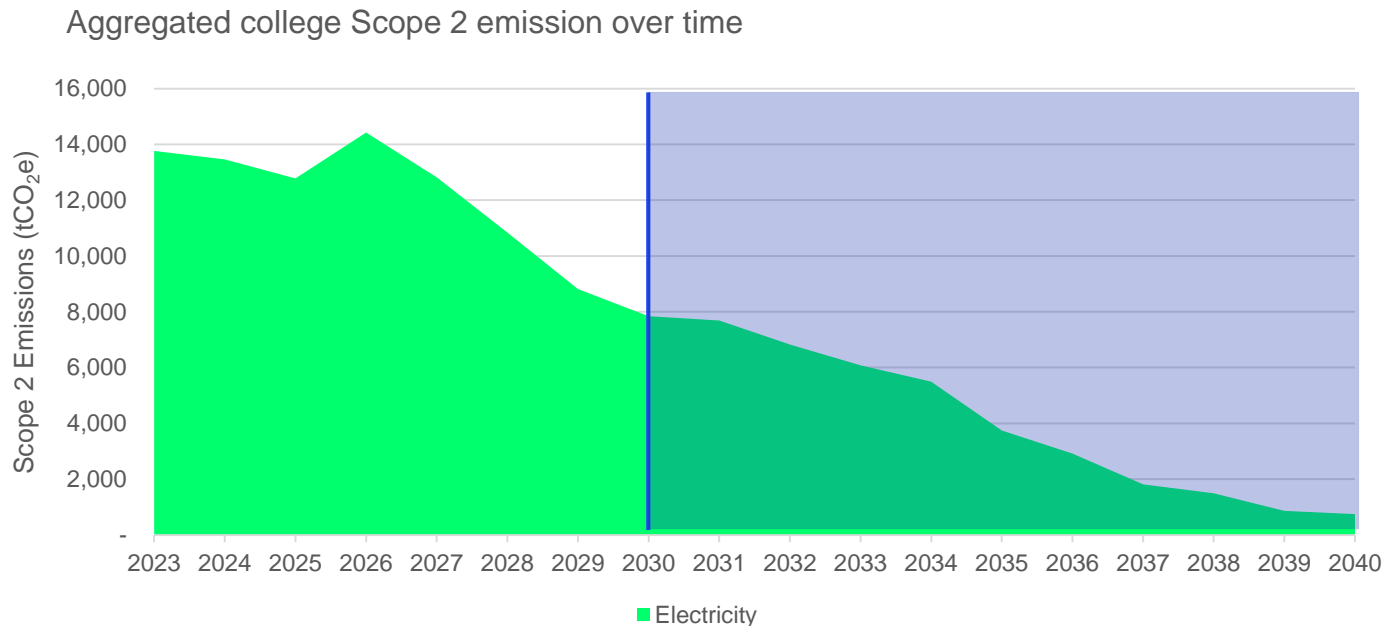


2. Research Results

Electricity Carbon Intensity

The decarbonisation of the national electricity grid is expected to support decarbonisation of electricity use (Scope 2) in the coming decades. However, with the Net Zero target of 2030 set by the Mayor of London, the impact that the reduced carbon intensity of the grid will have is curtailed and other measures (e.g. Solar PV) will be required.



Insights into the people dimension

The final report will provide insights on:

- The skills need, to better support FE decision-makers on skills planning.
- What support should look like for colleges to meet skills and job planning requirements for their 2030 goal.

To date, we have a better understanding of:

- Scope of skills and jobs (not incl. indirect)

Skill and job areas	Target personnel
Leadership and Governance	Governors/ leadership
Teaching, Learning, Research	Staff, students, researchers
Estates and operations	Estates managers, technicians, groundskeepers, waste and environment management staff
Partnership and engagement	Procurement staff (teachers, admin, liaison staff)
Data collection	Cross-cutting
External net zero activities	Technical contractors

- No one size fits all approach to skills
- Limited data available on the expected costs behind skills planning as most colleges have yet to act on costing their skills plans
- Costs are somewhat dependent on the approach colleges will take (4R framework discussed in workshop 3)
 - Received feedback that the preference would be to retrain and retain staff
 - Reality often is that tasks are outsourced to consultants
- Skills and job planning will need to be addressed holistically and costed as part of colleges' decarbonisation or net zero strategies

Moving forward, we intend to highlight:

1. Urgent need for action and support on skills planning, where there is a strong connection between having the people in place and achieving net zero in practice
2. Support should look much more visible and coordinated (visible funding pipeline, visible and accessible resources on who can support, what needs to be done, clearer roles between organisations)

Opportunities, challenges and their respective recommendations will be explored in more detail with the GLA

Challenges / Opportunities for FE Colleges

Through our workshop and interviews there were some key themes that came out in terms of the challenges and opportunities that relate to the transition to Net Zero, as well as some that are specific to FE colleges.

Team Resource

A key theme that came from colleges was the resource available to implement net zero ambitions.



Historic Buildings

Many colleges reported that they had historic buildings that can be challenging to decarbonise.



Funding

Decarbonisation carries significant costs and so the funding available for colleges is a critical aspect for the speed and scale of emission reductions.



Data

Colleges have differing levels of data available for monitoring energy use and for the estimated cost of Net Zero.



Sustainability Managers

A dedicated sustainability manager can significantly support implementation. However, not all colleges can support this role so a shared resource might be better suited.



Academic Resources

Some colleges will have academic staff, and students, that can provide the expertise that is required. E.g. [Living Labs](#)



Funding (PSDS)

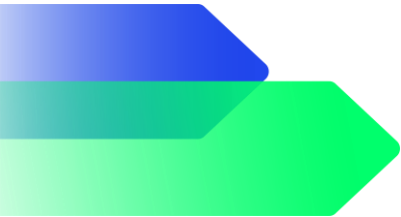
Phase 4 of the Public Sector decarbonisation fund has been confirmed with applications expected in summer 2024.



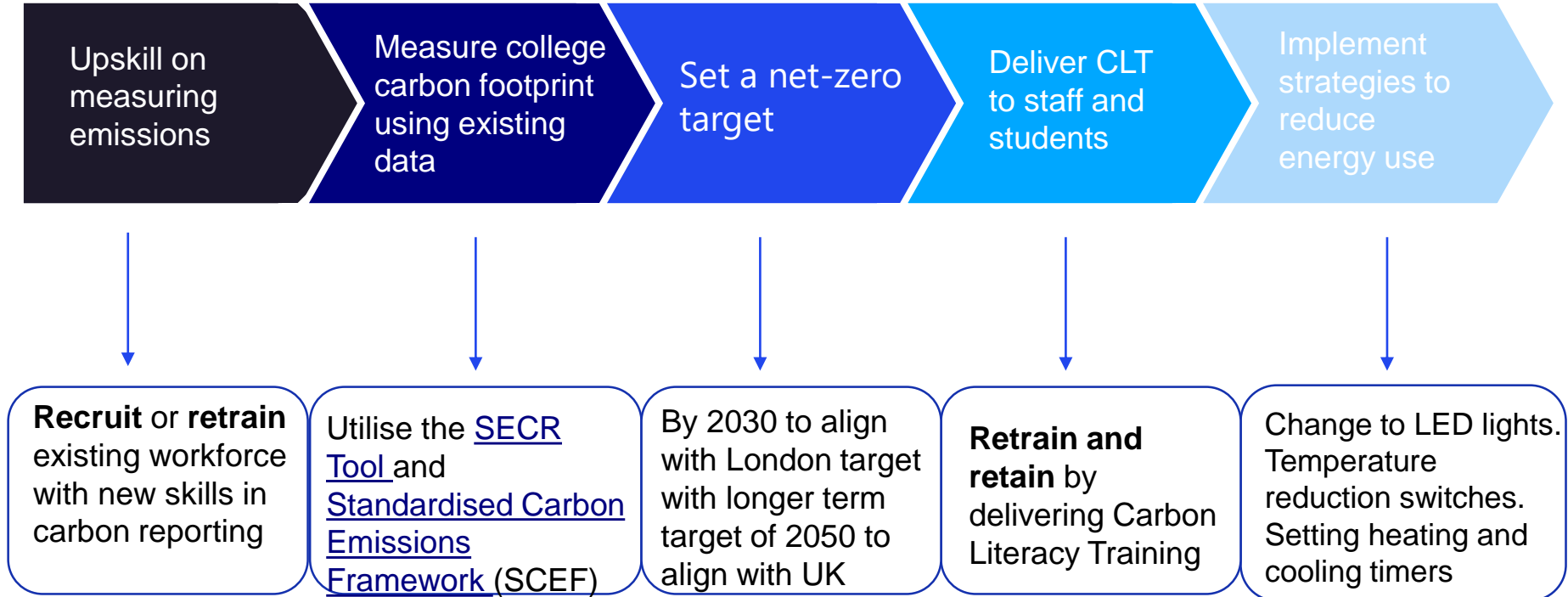
Data

Improving the data that colleges hold on their energy use and emissions can facilitate easier, faster and cheaper roll out of technologies and implementation strategies.

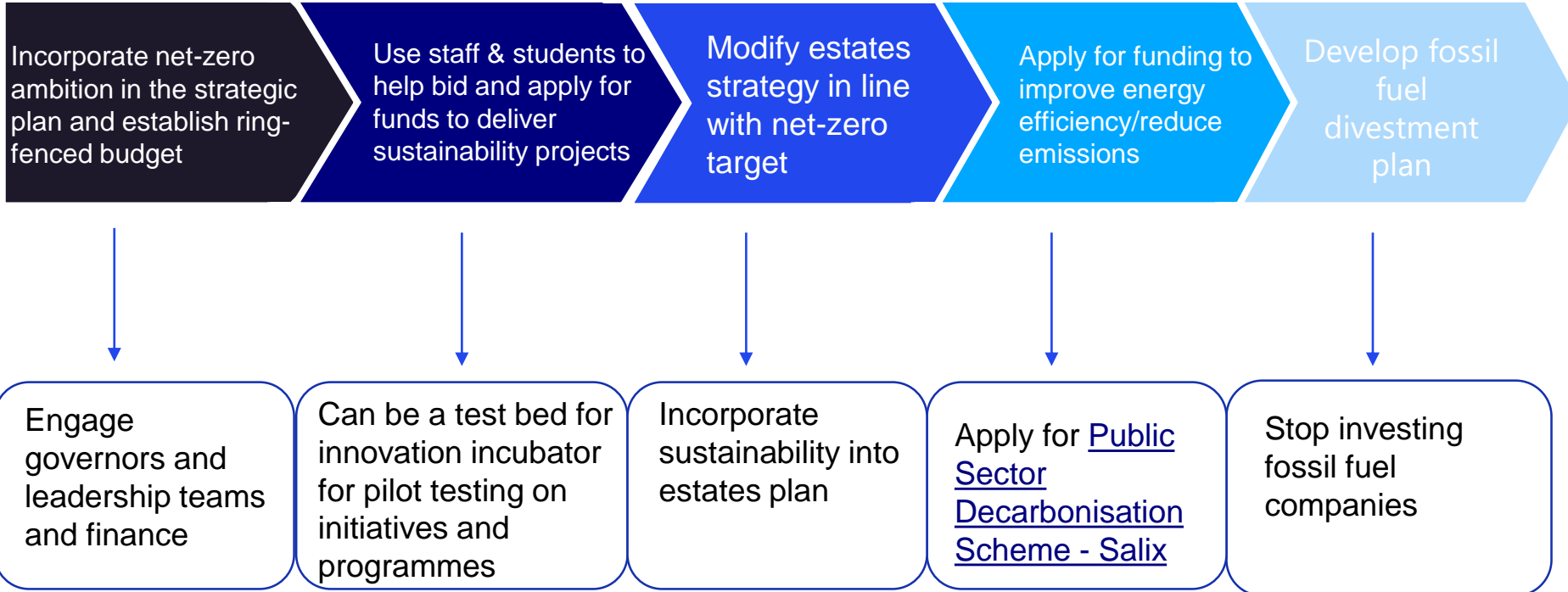
3. Pathways to Net-Zero



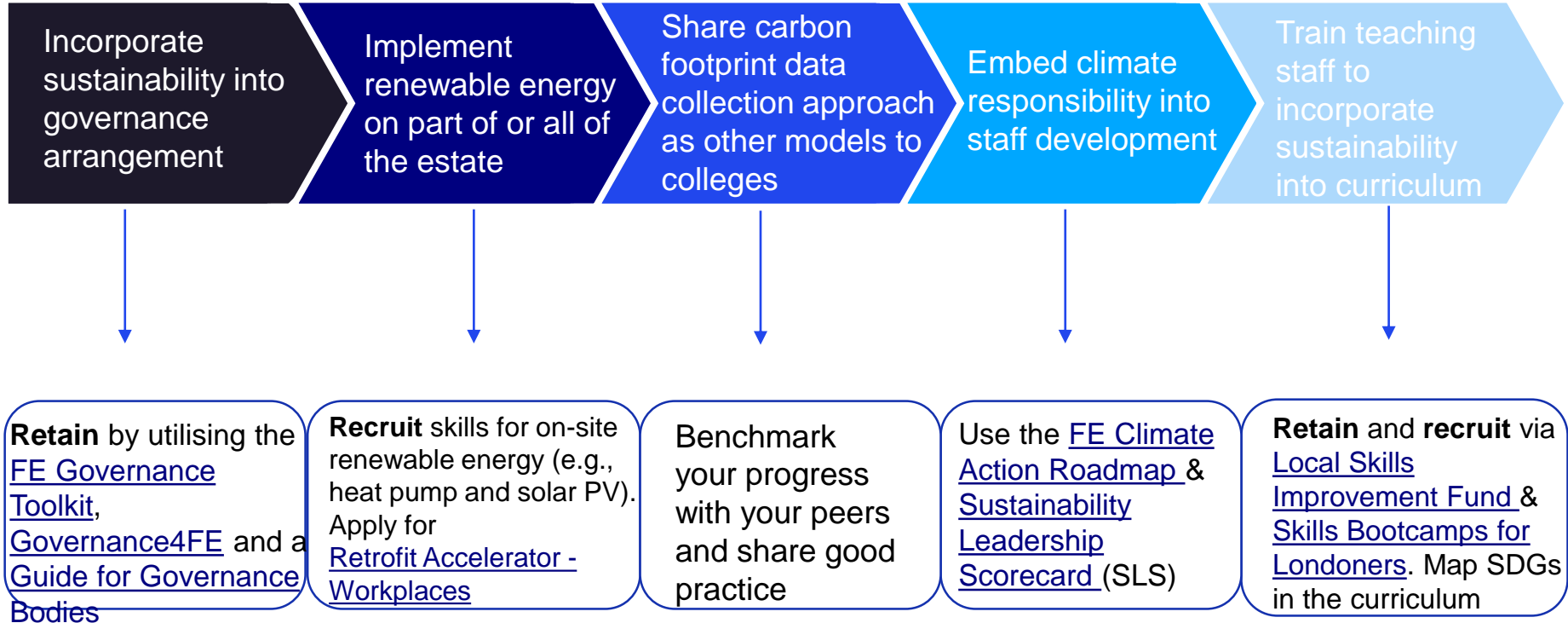
Pathway 1 – Emerging College



Pathway 2 - Established College



Pathway 3 – Leading College



4. Engagement opportunities

Sustainability Shared Service Staffing

- A partnership between two or three institutions to partner together and collectively recruit a dedicated sustainability professional.
- The cost to each institution is split according to the agreed time allocation.
- Successful pilot from the **Central and South Scotland College Partnership** between three institutions: Borders College, Forth Valley College, West Lothian College and EAUC.



Increased capacity to progress and deliver sustainability objectives



Increase sustainability learning through collaboration with other shared service partners



Reduce institution's cost compared to recruiting and managing a full-time



Stronger links between the institutions and EAUC expertise

Groups specifically for FE institutions

Group's	Requirements	What it is
<u>London Regional Group</u>	EAUC members only	Network with other regional institutions to promote cross-sector sharing of best practice.
<u>FE Network</u>	EAUC members only	A network for the FE sector to facilitate dialogue and knowledge exchange across the UK.
<u>Education Members Network</u>	EAUC members only	An email forum for EAUC educational members to ask questions, share and learn from peers across the sector.
<u>Public Sector Network</u>	Carbon Trust members only	A sustainability-focused forum to support knowledge sharing, collaboration and decarbonisation within the public sector.
<u>AoC Sustainability and Climate Change Reference Group</u>	AoC members only	A reference group consisting of FE colleges across England discussing sustainability and climate change matters.

6. GLA Overview of Programmes

MAYOR OF LONDON

Net Zero and the Skills Roadmap

20/03/2024

BACKGROUND

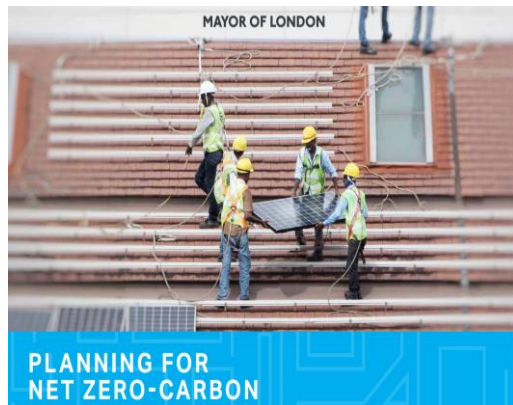
The Skills Roadmap for London

The Mayor is committed for further and higher education providers to lead by example in their local communities, particularly **Anchor institutions** which means being ‘good employers’ that are working towards the Mayor’s Good Work Standard (GWS) and pay a living wage, and making sure the workforce is inclusive and representative of the communities. It also **includes playing their part in helping London to become a net-zero carbon city by 2030.**

What are the Mayor's 'Anchor commitments' for skills providers

- In the Skills Roadmap for London, the Mayor set out his expectation for City Hall funded providers to build on their role as anchor institutions in their communities. Specifically, this includes an expectation that:
 1. City Hall-funded adult education providers are 'Good Employers' that meet or are working towards the Mayor's Good Work Standard.
 2. Adult education providers are inclusive organisations that are representative of the communities they serve and are located within.
 3. Adult education providers are supporting decarbonizing ambitions and will set out their plans for achieving net zero-carbon estates by 2030.
- These expectations will also be embedded into future City Hall grant award and procurement opportunities.

SKILLS ROADMAP FOR LONDON TOOLKITS



A toolkit for Adult Education Providers to assist providers in achieving net zero carbon estates by 2030



A toolkit for Adult Education Providers to help them achieve and/or work towards the Mayor's Good Work Standard



A toolkit for Adult Education Providers to help them become inclusive and representative employers

PLANNING FOR NET ZERO CARBON TOOLKIT

How adult education providers can support the Mayor's ambition for London to be a net zero carbon by 2030

The target audience for this toolkit is senior leadership teams and sustainability leads.

The content includes:

- Tailored guidance to City Hall funded adult education providers, to develop their plans for meeting net zero in their estates by 2030.
- It identifies a series of tailored actions
- Identifies useful guidance and resource documents
- Highlights case studies from London based providers

STEERING ADVISORY GROUP

- Association of Colleges
- HOLEX
- AELP
- Education and Training Foundation
- Living Wage Foundation
- Internal GLA colleagues from the Environment team, Climate Change team, Economic Fairness Team and External sustainability leads

CITY HALL'S SUPPORT OFFER TO FE PROVIDERS ON NET ZERO



Net Zero Toolkit - The GLA has developed 3 toolkits to support providers meet our anchor institution expectations. The GLA worked closely with sector stakeholders to design the content for the toolkits. Turner & Townsend Authored the Net Zero Carbon toolkits. It got published in November 2023 and is available for providers to access.



The toolkit shares guidance, effective best practice and case studies, and links to other support offers such as: **1. The Mayors Retrofit Accelerator Programme; 2. Accelerator work places; 3. Local energy accelerator 4. Other financing opportunities such as Green Bond and MEEF. 5. The Mayor's Green Finance Fund.**



Net Zero Carbon Research Study - The GLA has commissioned the Carbon Trust to carry out a feasibility study to determine the cost of decarbonising FE college estates across London

RESOURCES

- [Skills Roadmap and other strategies | London City Hall](#) is the link to access the toolkits
- For feedback and questions please contact: Shehreen.najam@london.gov.uk

GLA accelerator Programmes

MAYOR OF LONDON

RETROFIT ACCELERATOR WORKPLACES

Energy Performance Contracting

The RE:FIT Framework



The RE:FIT Framework is available to all public sector organisations in the UK. It streamlines the procurement of energy services by providing pre-negotiated and EU regulation compliant contracts, which can be used with pre-qualified service providers.

Service providers design and implement energy conservation measures to cut running costs, energy consumption and carbon emissions.

They guarantee the level of energy savings, offering a secure financial saving over the period of the agreement.

The framework was re-tendered in 2020 which involved a thorough evaluation of service providers.

The RE:FIT Framework is jointly owned by the Greater London Authority (GLA) and Local Partnerships, and unlike other frameworks, there is no commission charged on use of the framework.

Energy Performance Contracts (EPC)



Energy Performance Contracts (EPC) are an effective way to deliver large scale energy savings and improvements in existing buildings.

The chosen service provider will undertake energy saving upgrade works and provide a guarantee on their design and operational performance through detailed measurement and verification of the inputs and outputs of the measures. This supports a robust business case and transfers risk from the public sector to the service provider.

The public sector has seen an increase in the adoption of EPC models, driven by decreasing budgets and the need to significantly reduce carbon emissions to meet the legally binding targets set out in the Climate Change Act.

2024

ZERO CARBON ACCELATOR

- The ZCA will continue the work of the existing Low Carbon Accelerators, with a broader and more ambitious scope.
- The intention is not to have the three separate accelerators under one banner, rather to take forward the elements of the programme which are considered to have been useful to create a single programme.
- The ZCA will offer a flexible and varied range of support. A key focus is on support that increases the ability of organisations to take action themselves, on the basis this will help to generate a more sustainable and longer-term pipeline of activity.
- Flexibility includes evolution with changes to be made in response to need and with regard to the wider support landscape (external to the GLA). The ZCA is intended to provide additional or complementary services, rather than duplicating support which is or would become available

Contact retrofitaccelerator@london.gov.uk for more details

Resources



[Sustainability Leadership Scorecard | EAUC](#)

- A tool for further and higher education to measure your institution's sustainability performance.

[Climate Action Roadmap for UK FE Colleges | EAUC](#)

- The Roadmap provides clear actions and guidance on how colleges can respond to the climate emergency and advance sustainability.

[SECR Tool | EAUC](#)

- A tool for colleges to submit a Streamlined Energy and Carbon Reporting which can be used for wider reporting.

[FE Governance Toolkit: A Whole College Approach to Climate Change | Education and Training Foundation](#)

- A toolkit for governors to address climate change as a strategic business issue to drive a sustainability strategy and provide a variety of sustainability resources.

[Governance4FE: Climate Change – The Board's Responsibility](#)

- A guide outlining the responsibilities of FE Boards.

[A Guide for Members of Governing Bodies | EAUC](#)

- A guide is to highlight the institutional benefits gained when sustainability is central to the core values and operations of your college.

[Standardised Carbon Emissions Framework \(SCEF\) | EAUC](#)

- A methodology guidance based on the GHG protocol to help further and higher education calculate their scope 1, 2, and 3 emissions.

Route to finance

1. [Public Sector Decarbonisation Scheme - Salix](#)
2. [Public Sector Low Carbon Skills Fund](#)
3. [Retrofit Accelerator - Workplaces](#) - soon to be renamed as Zero Carbon Accelerator but same offer
4. [Low Energy Accelerator](#)
5. [Local Skills Improvement Fund \(LSIF\)](#)
6. [Skills Bootcamps for Londoners](#)
7. [DfE Energy and efficiency grant](#)

Other funding opportunities to explore

- Fundraising
- Sponsors
- Donors
- Companies
- Tenders including students can learn from innovative projects acts as test beds for pilots for company to test trial

WORKSHOP 4

THANK YOU

