

Climate Action Plan – Buildings Actions

The below tables provide an update on the Immediate and Programme Developments of the Climate Action Plan and provides a short comment to justify the selection of progress status. This information will be expanded upon in the panel session but is intended to inform discussion and thoughts prior to the session.

CAP Immediate Action – From or by 2020 unless otherwise stated	Status of project: E.g. 1) Action not commenced 2) on track for delivery/barriers to overcome 3) delivered/ongoing delivery. Followed by comments detailing information and/or progress of the action.	Progress
<p>In 2020, deliver a Retrofit Summit for residents, businesses, and community groups to develop our understanding of the retrofit challenge.</p>	<p>Project Status: Delivered/Ongoing delivery</p> <p>Project Summary: Owing to the Covid-19 pandemic the Retrofit Summit was replaced with a series of online webinars coined the ‘Retrofit Webinar Series’. The aim of the series is to raise an awareness of the retrofit challenge and provide residents, businesses and communities with the relevant information to help reduce carbon emissions from domestic and non-domestic buildings.</p> <p>The series launched in October 2020 and has delivered 5 webinars to date. Topics have included a community energy café, the Green Homes Grant Voucher (GHGV) scheme, an insight into home retrofit, retrofit for businesses and Minimum Energy Efficiency Standards (MEES) for domestic landlords.</p> <p>On average, each webinar receives 18 registrations, however turnout has reduced across the series. The GHGV webinar received 30 registrations, with just under half the amount attending the session. This webinar was hosted first and has been available online for longer than other webinars, but to date has received 71 views, which is the highest of all the webinars. The most recent webinar on MEES had only 3 attendees despite 11 signing up for the webinar and considerable promotion.</p> <p>The presentation slides and recordings of the webinars are uploaded to the dedicated council webpage so that they can be signposted to as a future resource. The next session is on ‘what to do when you can’t retrofit’ and is planned for the autumn.</p>	
<p>In 2020, establish a panel of experts and local stakeholders to design a new retrofit policy and programme for Camden addressing competing priorities of issues such as energy efficiency, heritage, and other Local Plan priorities. Any policy development would inform and be informed by emerging regional work on retrofit.</p>	<p>Project Status: Moved to later in the programme/barriers to overcome</p> <p>Project Summary: The COVID-19 pandemic caused a significant shift in the focus of the councils retrofit programme. In response to funding made available through the Government’s plan for a green recovery from COVID, the focus moved to packaging up suitable projects for funding bids to accelerate capital investment in retrofit. There has been significant work in defining a retrofit programme for Camden with work completed by Parity Projects and Savills, as outlined within actions below.</p> <p>Camden Council have secured circa. £1m for retrofitting of Council homes and corporate property. Additional funding has also been secured for delivery of retrofits in private sector fuel poor households, through partnership with the Greater London Authority.</p> <p>To ensure that recommendations from the proposed retrofit panel can influence policy development, this action will be shifted to later in the Climate Action Plan and aligned</p>	

	to the next review of the Local Plan, to compliment the programme development action below.	
<p>From 2020, require all major developments in Camden to be zero carbon (London Plan definition).</p>	<p>Project Status: Ongoing delivery/barriers to overcome</p> <p>Project Summary: The London Plan and subsequently Camden planning policy sets out requirements for all major developments to achieve net zero carbon.</p> <p>Developers are required to calculate the average expected operational energy use of the proposed development, as per Building Regulations, and must demonstrate how these emissions will be reduced to net-zero.</p> <p>This can be achieved through a combination of on-site reduction of emissions through the installation of renewables, such as solar panels, and designing the building(s) to be as energy efficient as reasonably practicable. Any remaining carbon emissions must be offset either directly by the developer or through Section 106 agreements with the Council, supporting local carbon reduction projects. Payments collected through the S106 agreements feed into the Camden Climate Fund to support projects across the borough.</p>	
<p>From 2020, require all Camden led major development under our Community Investment Programme to be zero carbon (London Plan definition).</p>	<p>Project Status: Ongoing delivery</p> <p>Project Summary: The Community Investment Programme (CIP) is Camden's ambitious 15-year plan to invest over £1 billion in schools, homes and community facilities in Camden.</p> <p>For Community Investment Programme projects that will be seeking planning permission since the launch of the CAP, proposals that meet the London Plan definition of zero carbon will be submitted. An example is at Tybalds estate, where a 'fabric first' approach will be taken to improve energy efficiency and reducing carbon emissions, as well as use of air source heat pumps (ASHPs) for heating and hot water, solar panels on new and existing blocks, and the use of blinds to reduce overheating.</p> <p>We are also taking steps to reduce the carbon footprint of schemes that already have planning approval. For example switching to the use of ASHPs at Maitland Park, Highgate Newtown and Agar Grove phase 1C which are currently under construction.</p> <p>Camden's CIP programme have a record for providing sustainable and energy efficient developments. Camden's Greenwood Centre is home to Camden's first Centre for Independent Living (CIL), run by and for disabled people, which achieved a BREEAM Excellent rating. New homes on the Agar Grove development are being built to the low-carbon Passivhaus standard that use heat from the sun, occupants, household appliances and extracted air to keep the homes warm. In addition to the new build properties on the estate, the concrete structure of the existing Lulworth Tower will be retained and the tower retrofitted, reducing the embodied carbon involved in building the new homes.</p> <p>We are also trialling the use of off-site manufacturing methods, where components of the building are built in a factory. This method is being trialled to build new temporary</p>	

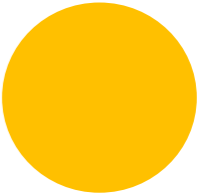
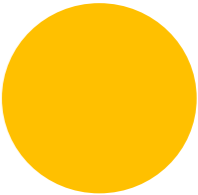
	<p>accommodation for homeless families at two sites, and new family sized council homes in Somers Town. Off-site manufacturing has the potential operational and local environmental impacts of construction through: faster build programmes; reduced construction traffic; and reduced overall energy consumption.</p>	
<p>By 2021, introduce a new requirement for all future Community Investment Programme development to include a lifecycle carbon impact assessment (retrofit versus new build) as part of the pre-feasibility appraisal.</p>	<p>Project Status: Ongoing delivery/barriers to overcome</p> <p>Project Summary: In relation to the CIP programme, the Council has already delivered schemes based on the re-use or adaption of existing buildings. Examples of these scheme include Holly Lodge, Holmes Road and Mount Pleasant.</p> <p>Whole Life-Cycle Carbon (WLC) emissions are the carbon emissions resulting from the materials, construction and the use of a building over its entire life, including its demolition and disposal. A WLC assessment provides a true picture of a building's carbon impact on the environment. The London Plan now sets out a requirement for developments to calculate and reduce WLC emissions to reduce the embodied emissions of development as well as regulated emissions considered by the aforementioned zero-carbon requirements.</p> <p>Camden's CIP team are currently undertaking lifecycle carbon impact assessments of CIP schemes that do not yet have planning permission. These assessments will be reflected upon to develop a consistent approach to lifecycle assessment and minimising the embodied emissions of developments, as part of the pre-feasibility assessments of potential new schemes. We will also take into account the GLA guidance on how whole-life-cycle carbon assessment should be undertaken ahead of planning, which is due to be released over summer 2021, to ensure a consistent approach throughout project development.</p>	
<p>In 2020, complete a feasibility study to install a large-scale solar project on housing estates. Subject to feasibility, deliver the project in 2021 and extend thereafter.</p>	<p>Project Status: Partial delivery/not currently feasible/further funding to be explored</p> <p>Project Summary: One recommendation of the Citizen's Assembly was to explore the possibility of installing rooftop solar PV arrays across as many homes in Camden as possible. Camden Council have a large portfolio of council houses, so instead of delivering a series of individual projects, the intention of the study was to determine whether delivering multiple projects across several estates in order to simplify delivery, unlock economies of scale, and support the sale of the generated electricity via a suitable commercial arrangement was viable.</p> <p>The study was concluded in August 2020 and found that a commercially viable business model could not be produced and that the economies of scale required for the project could not be achieved.</p> <p>The project was not considered an effective use of the Council's limited capital funding available for housing investment and that funding should be focused on projects delivering decarbonisation of heat, which will have the greatest impact on reducing carbon emissions. Due to the lack of financial viability, the Council are exploring other potential funding mechanisms to deliver this project.</p>	

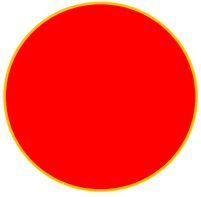
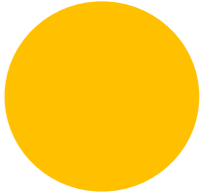
<p>From 2020, use the Camden Climate Change Alliance business network to drive energy efficiency improvements across the commercial sector in Camden through best practice sharing and consultancy services.</p>	<p>Project Status: Ongoing delivery</p> <p>Project Summary: Advice on energy efficiency improvements continues to be provided through the Camden Climate Change Alliance (CCCA) online resource library, website case studies and events held online.</p> <p>Display Energy Certificates show the energy performance of non-domestic buildings based on actual energy consumption, and this is offered as a consultancy service from the CCCA. A Recommendation Report sometimes accompanies the DEC, this site specific document informs the building managers and occupants how the site can reduce its energy use and emissions impact.</p> <p>As part of the Retrofit Webinar Series, Camden delivered a session in conjunction with the CCCA on 'retrofit for businesses' and were joined by guest speakers from engineering consultant BuroHappold. The session explained what heat pump technology is and how businesses can improve the energy efficiency of their buildings through installing low-carbon technologies. The session also covered the funding support available to businesses via the Camden Climate Fund and how to apply. There were 18 sign-ups for this session with approximately 9 in attendance. The webinar has subsequently been viewed 21 times on YouTube.</p> <p>Next year, the alliance will target non-domestic landlords with a dedicated webinar on MEES.</p>	
<p>In 2020-21, collaborate with private landlords and housing associations develop a programme to ensure all rented homes in the borough (including council housing stock) out-perform the Minimum Energy Efficiency Standards defined by the government.</p>	<p>Project Status: on track for delivery/barriers to overcome</p> <p>Project Summary: Camden received government funding (MHCLG) to deliver a tenant engagement project. The project aims to engage, educate and empower tenants so that they are more confident about their rights and aware who in the council and other partners (advice agencies) they can go to for help and support.</p> <p>This will be achieved by developing a Camden Renters website which aims to be a one stop point of information for private renting issues locally and by launching a new Camden Private Renters Tenant Forum. The website is now at the design stage and is starting to develop the content and aims to launch later this year. The work will be supported by a Communications campaign. This platform will be used to educate private tenants about their rights under the PRS Minimum Energy Efficiency Standards (MEES).</p> <p>The Council is currently consulting on our Housing Renewal Assistance policy which has historically included grants to improve private rented properties, with a focus on energy efficiency. The new policy links the proposed grant more closely with MEES and aims to get properties to B and C (EPC E legally required at present), where we will match fund landlord investment up to £10k.</p> <p>In 2021, the council is proposing to write to landlords who let energy inefficient homes and support them to make improvements through guidance about the legislation and signposting to grants/support available. To assist tenants disproportionately affected by energy inefficient homes, and thus at risk of experiencing fuel poverty, we plan to:</p>	

	<p>provide a self-report tool for tenants living in MEES non-compliant properties and promote 'save energy and keep warm' tools which includes energy advice and resources such as the Green Camden Helpline.</p>	
<p>In 2020, deliver a low-cost solar panels programme for residents in Camden through Solar Together and explore other group-purchasing schemes to support building retrofit.</p>	<p>Project Status: Ongoing delivery</p> <p>Project Summary:</p> <p>Solar Together is a scheme led by the Greater London Authority to help residents, SME's and some Housing Associations to access low-cost and high-quality solar panels and battery storage via a group-buying mechanism.</p> <p>Camden has participated in two previous rounds of the scheme. From the 2019/2020 round, 100 residents chose to accept their offer after registering and receiving a quotation for works. Unfortunately, the installation dates coincided with the beginning of the first COVID lockdown, which led to many residents disengaging with the process. Of the 100 applicants that accepted their initial offer, 34 progressed to installation, resulting in 282 panels being installed. This will save approximately 19 tonnes of CO₂ per year.</p> <p>Final numbers of registrants are still being validated for the most recent round in 2020/2021, however this is expected to be more than 500 residents. Registrants are in the process of receiving and accepting their offers. As of 3 May, 41 residents had accepted their offer. Interested parties have until 20 May to decide on their offer. Installations are to be completed by October 2021.</p>	
<p>In 2020, write to other large building owners in Camden and ask them to review their Climate Action Plans in response to the climate emergency and offer support to improve them through the Camden Climate Change Alliance.</p>	<p>Project Status: Ongoing delivery/barriers to overcome</p> <p>Project Summary: A letter was sent to key business network leads in the borough in November 2020 from Councillor Harrison encouraging them and their members to work with the CCCA on the Camden Climate Pledge and access the wide range of support available.</p> <p>Further correspondence to target individual building owners/landlords is being drafted to be sent out to inform businesses of the borough-wide launch of the Camden Climate Pledge (March 2021). More information is available in the organisations update document.</p>	






CAP Programme Development Actions – From or by 2021 unless otherwise stated	Status of project: 1) Action not commenced 2) on track for delivery/barriers to overcome 3) delivered/ongoing delivery. Followed by comments detailing information and/or progress of the action.	
In 2020-21, create a public database of all renewable energy installations in Camden.	<p>Project Status: on track for delivery/barriers to overcome</p> <p>Project Summary: The aim of this action is to have a public database which will demonstrate the scale of renewable installation across the borough and encourage residents to contribute to the map through individual renewable installation in their homes. Data of Camden Council owned installation has been collated and external organisations holding data on renewables installations have been contacted to obtain information to contribute to the mapping. A number of Geographic Information Systems (GIS) are being considered as part of the project are being considered.</p>	
In 2021, subject to funding, pilot a fossil-fuel free heating project at a council housing estate to develop our understanding and inform a costed strategy to remove fossil-fuel heating systems from council buildings by 2030.	<p>Project Status: Ongoing delivery/barriers to overcome/awaiting funding opportunities</p> <p>Project Summary: The Council has worked with Parity Projects and Savills to identify the works and investment required to achieve Net Zero Carbon across its 33,000 council homes. This process has helped to identify the most cost-effective approach to reduce CO₂ emissions from our housing stock to as close as reasonably practicable to net-zero. The net investment costs are £515m. When additional associated costs of delivery are added, the total investment required is £706m but the true amount will only be known as the programme is fully developed and procured. This work is helping to inform a costed strategy to remove fossil fuel heating from council housing. In parallel with the above, there are detailed feasibility studies being undertaken on a number of council housing estates to identify the most suitable and cost-effective approach to phase out fossil fuel heating on the estates. Funding from the Green Homes Grant Local Authority Delivery scheme has been received for the retrofit of 17 Camden street properties to as close to net zero as possible. Camden are awaiting feedback on a bid to install internal wall insulation in 58 dwellings in a Camden housing estate. The next phase of funding from the Government's Social Housing Decarbonisation Scheme is due to launch in Autumn 2021, it is foreseen that this will be the likely route of funding for a low-carbon heating system pilot in a council housing estate.</p>	
In 2021, review and extend the Camden Climate Fund to provide financial support for energy efficiency improvement and renewable energy and heat deployment with a focus on the fuel poor and community groups.	<p>Project Status: On track for delivery/barriers to overcome/awaiting approval</p> <p>Project Summary: The Camden Climate Fund provides grants to households, businesses and community groups for carbon reduction projects in Camden. The fund is financed by carbon offset payments that are collected through the planning system, when developments in Camden fall short of the Mayor's carbon targets. The Fund was launched in 2017 as a pilot-phase and extended in 2019 for a further two years. At present the fund offers up to £1,500 for households to install solar PV and solar thermal; £10,000 for businesses to install renewable (e.g. solar PV) and energy efficiency</p>	

	<p>measures (lighting upgrades, heat pumps); and £25,000 for community energy projects (solar and heap pumps). To date the fund has awarded £79,970. There have been 41 successful domestic applications, 4 business and 1 community application. The fund has seen low uptake across the business and community funding streams.</p> <p>The fund has been reviewed and proposed changes are awaiting approval. The funding streams are being repurposed to align with the current need to decarbonise heat, and to make the funding streams more accessible to increase the number of applications.</p> <p>The domestic fund has been amended to incentivise renewable heat and reduce heat loss in homes e.g. insulation and heat pumps. This shift has reflected an increase in grant money available and has been increased from £1,500 to £5,000.</p> <p>The business and community streams remain unchanged and will benefit from a more targeted comms approach to encourage applications. Measures covered by the business stream are under review for expansion to include other possible carbon saving measures such as cargo bikes. These streams will relaunch in the summer.</p> <p>As part of the proposed changes, a new local community stream will be created with funding made available to residents for localised carbon-saving activities, that can help to deliver on Climate Action Plan deliverables. This new funding stream is subject to approval.</p>	
<p>Over 2021-22, through the Camden Climate Change Alliance, develop awareness across privately rented business premises about the benefits of meeting the Minimum Energy Efficiency Standards as defined by government.</p>	<p>Project Status: Ongoing delivery/barriers to overcome/further engagement required</p> <p>Project Summary: The Camden Climate Change Alliance have guidance available on Energy Performance Certificates for non-domestic landlords and continue to target this audience through social media posts and articles. The obligations of landlords are also covered in the sustainability assessments with organisations.</p> <p>In 2022, a renewed communications focus will be developed around the benefits of compliance with MEES and the CCCA will target non-domestic landlords with a dedicated webinar/event on the topic.</p>	
<p>Over 2021-22 complete a feasibility study into the retrofit opportunities on non-domestic council buildings including schools.</p>	<p>Project Status: Initial delivery of feasibility studies/barriers to overcome to scale up</p> <p>Project Summary: Camden Council commissioned Etude, RAFT and Currie & Brown to undertake an initial analysis of three schools in the borough to show how far they can get towards net zero carbon and what this could mean for the whole school stock. The Report demonstrates that meeting the net zero carbon target is possible but will require significant financial commitment. The cost for all sites (community schools and children centres) to be zero carbon is calculated at £112m.</p> <p>A series of action plans are being explored in response to the report to implement the recommendations within, including: using available capital funding for a trial retrofit in one of the schools, additional funding bids to funding from central government, and targeting schools with high energy consumption.</p> <p>In January 2021, Camden secured a £770k grant from the Public Sector Decarbonisation Scheme that will enable the council to install an air source heat pump in Swiss Cottage</p>	

	<p>Library, complementing the solar installation installed in 2017, which now meets around 8% of the library's power demands. The funding will also help to improve building fabric and cover the installation of LED lighting. It is anticipated that once the works are complete, a saving of 127 tonnes of CO2e per annum will be achieved across the lifetime of the project.</p> <p>Camden are currently engaged with the Greater London Authority's Retrofit Accelerator Workplaces programme to identify opportunities for decarbonisation projects across the remainder of Camden's non-domestic property portfolio.</p>	
<p>By 2022, launch a new retrofit programme for Camden.</p>	<p>Project Status: On track for delivery/barriers to overcome</p> <p>Project Summary: The need for an ambitious employment programme has been highlighted by the economic crisis following the Covid19 pandemic, and the council is seeking practical, deliverable programmes to help those groups who have been most badly affected by the economic challenges in the borough, in particular young people (including school leavers) and Black, Asian and other ethnic communities.</p> <p>In October 2020, the council commissioned Inner Circle Consulting to work with officers and key stakeholders at borough and regional level to examine the potential to create jobs and skills opportunities for local residents through capital expenditure on housing retrofitting and refurbishment.</p> <p>The combination of this learning with the aforementioned portfolio analysis by Parity Projects and Savills will help to inform a new retrofit programme in the Borough for the Council's housing stock. This programme is in development.</p>	
<p>Over 2022-23, support a local community energy group to deliver a pilot low-carbon heating project.</p>	<p>Project Status: Action commenced/exploratory work underway</p> <p>Project Summary: Community energy refers to the delivery of community-led renewable energy, energy demand reduction and energy supply projects, whether wholly owned and/or controlled by communities or through partnership with commercial or public sector partners.</p> <p>In Autumn 2020, Camden Council commissioned community energy group Power Up North London (PUNL) to complete a feasibility study exploring the potential for a low-carbon heating project. The feasibility study will also help to identify whether there is a commercially viable approach for unlocking private investment to fund investment in the decarbonisation of heat, through a community share offer. The feasibility study is also considering a number of buildings in the Borough for solar PV arrays and potential community share offers to raise capital funding for these projects.</p>	
<p>By 2025, review the Council's Local Plan Policy on climate change mitigation, namely the existing zero carbon target and energy efficiency across a range of developments.</p>	<p>Project Status: Action not yet commenced/preparation underway</p> <p>Project Summary: The Council anticipates undertaking an assessment of the Local Plan in 2021 to considered whether a full review of the Plan is required. (Camden Local Development Scheme, 2020).</p>	

	<p>Following the adoption of the Local Plan in 2017, we are now reviewing the Camden Sites Allocations Plan (2013). This document sets out the Council's approach to future development on key sites across the borough. Once adopted, this Plan will replace policies in the 2013 Site Allocations Plan. It will be used with other policies in Camden's Development Plan to assess development proposals on key sites and areas. Consultation on the draft Site Allocations Local Plan took place on Thursday 13 February and ended on Friday 27 March 2020.</p>	
<p>By 2025, develop a carbon-offsetting scheme for local developments, residents, and businesses to offset their residual emissions. The scheme will require participants to have done all that they can to reduce direct and indirect emissions before looking to offset.</p>	<p>Project Status: Exploratory stage/barriers to overcome</p> <p>Project Summary: A bid for the Future Neighbourhoods Fund 2030 is being formulated by Camden Council in collaboration with a number of community groups operating across Camden and in the Somers Town ward. The funding bid includes a proposal for the Knowledge Quarter to design a new local carbon offsetting scheme that would fund environmental projects in the local area. The Expression of Interest for the bid has been submitted to the Greater London Authority.</p> <p>A offsetting programme is being developed by a number of local authorities across the UK and is being supported by a Consultant. This is being monitored as a potential approach for the Council to address this action.</p>	

Key

	<p>Action not commenced or exploratory work underway/early stages</p>
	<p>On track for delivery / barriers to overcome</p>
	<p>Delivered / ongoing delivery</p>
	<p>Suspended or delayed due to COVID-19</p>
	<p>Partial delivery</p>