

## Item

# ANNUAL CLIMATE CHANGE STRATEGY AND CARBON MANAGEMENT PLAN UPDATE REPORT

### To:

Councillor Rosy Moore, Executive Councillor for Climate Action and Environment  
Environment and Community Scrutiny Committee 26/09/2024

### Report by:

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### Wards affected:

Abbey, Arbury, Castle, Cherry Hinton, Coleridge, East Chesterton, King's Hedges, Market, Newnham, Petersfield, Queen Edith's, Romsey, Trumpington, West Chesterton

## Not a Key Decision

### 1. Executive Summary

- 1.1 This report provides an update on progress on the 2023/24 actions of the Council's Climate Change Strategy 2021-26. As part of this, the report includes: an update on progress in implementing the projects to reduce our direct carbon emissions from our corporate buildings, fleet vehicles and business travel as detailed in the Council's Carbon Management Plan 2021-26.
- 1.2 The report also provides an update on the council's Greenhouse Gas Emissions for 2023/24 and a new Climate Risk and Vulnerability Assessment (CR&VA) and Adaptation Plan, which prioritises the climate change risks for the Council and the city and details the actions the council is taking to adapt and improve resilience.

## 2. Recommendations

The Executive Councillor is recommended to:

1. Note the progress achieved in implementing the actions in the Climate Change Strategy and Carbon Management Plan (Appendix B).
2. Approve the updated Climate Change Strategy Action Plan presented in Appendix A.
3. Note the risks identified and actions being taken in the Climate Risk and Vulnerability Assessment (CR&VA) and Adaptation Plan.

## 3. Background

### Climate Change Strategy

- 3.1 The Council's current Climate Change Strategy covers the period from 2021-26. It shares a vision for Cambridge to be net zero carbon by 2030, subject to Government, industry and regulators implementing the necessary changes to enable the city and the rest of the UK to achieve this. This vision recognises that, while the Council can take the actions identified in the strategy's Action Plan and use its policies and regulatory powers to influence emissions in some sectors, the actions and choices of national government, businesses, organisations and individuals have a very significant impact on emissions in the city.
- 3.2 The Council's strategy sets out six key objectives for how we will address the causes and consequences of climate change:
  1. Reducing carbon emissions from city council buildings, land, vehicles and services
  2. Reducing energy consumption and carbon emissions from homes and buildings in Cambridge
  3. Reducing carbon emissions from transport in Cambridge
  4. Reducing consumption of resources, reducing waste, and increasing recycling in Cambridge
  5. Promoting sustainable food
  6. Supporting Council services, residents and businesses to adapt to

the impacts of climate change.

- 3.3 The Council is taking a wide range of direct actions, set out in the Climate Change Strategy Action Plan, which will contribute to reducing emissions in Cambridge and help to deliver the vision for Cambridge to be net zero carbon by 2030.
- 3.4 A revised and updated Action Plan is presented for approval at Appendix A.

#### Climate Change Strategy benchmarking

- 3.5 Cambridge has been named an 'A' List City by the Carbon Disclosure Project (CDP)<sup>1</sup> following action that Cambridge City Council has been taking to reduce carbon emissions and prepare for climate change and has reported to CDP to its annual disclosure process for cities.
- 3.6 Cambridge is one of 119 cities globally to receive an 'A' score and to be recognized by CDP for taking bold leadership on environmental action and transparency. Only 13% of cities out of the 939 globally that disclosed environmental data in 2023 to the annual questionnaire received an 'A' score, demonstrating the Council's climate leadership through effective action: "A: Leadership jurisdiction demonstrates best practice standards across adaptation and mitigation, has set ambitious goals and made progress towards achieving those goals".
- 3.7 In November 2023 the Council was ranked second (out of all 186 districts councils) on the Council Climate Action Scorecards<sup>2</sup> with a score of 57% overall, exceeding the average score for district councils, which was 29%. The scorecards were produced by Climate Emergency UK, who assessed all UK councils on the actions they have taken towards net zero. The Council's highest scores were for the: Collaboration and Engagement (79%), Building and Heating (71%), and Waste Reduction and Food (69%) sections.

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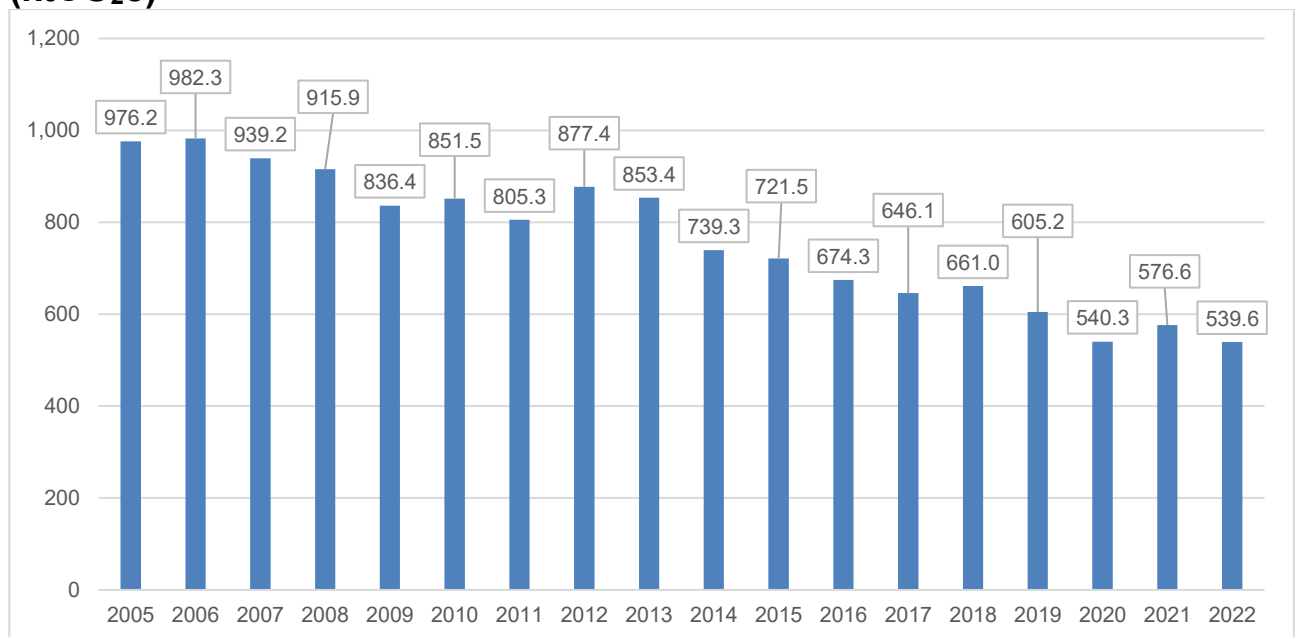
<sup>1</sup> [www.cdp.net/en](http://www.cdp.net/en). CDP run the global disclosure system that enables companies, cities, states and regions to measure and manage their environmental impacts.

<sup>2</sup> <https://councilclimatescorecards.uk/scoring/district/>

## Carbon emissions in Cambridge

- 3.8 As shown in Chart 1, below, the latest available national greenhouse gas emissions estimates, published by the Department for Energy Security and Net Zero (DESNZ), show that total emissions in Cambridge have reduced by 44.7% over the last 17 years, from 976.2 ktCO<sub>2</sub>e in 2005 to 539.6 ktCO<sub>2</sub>e in 2022.

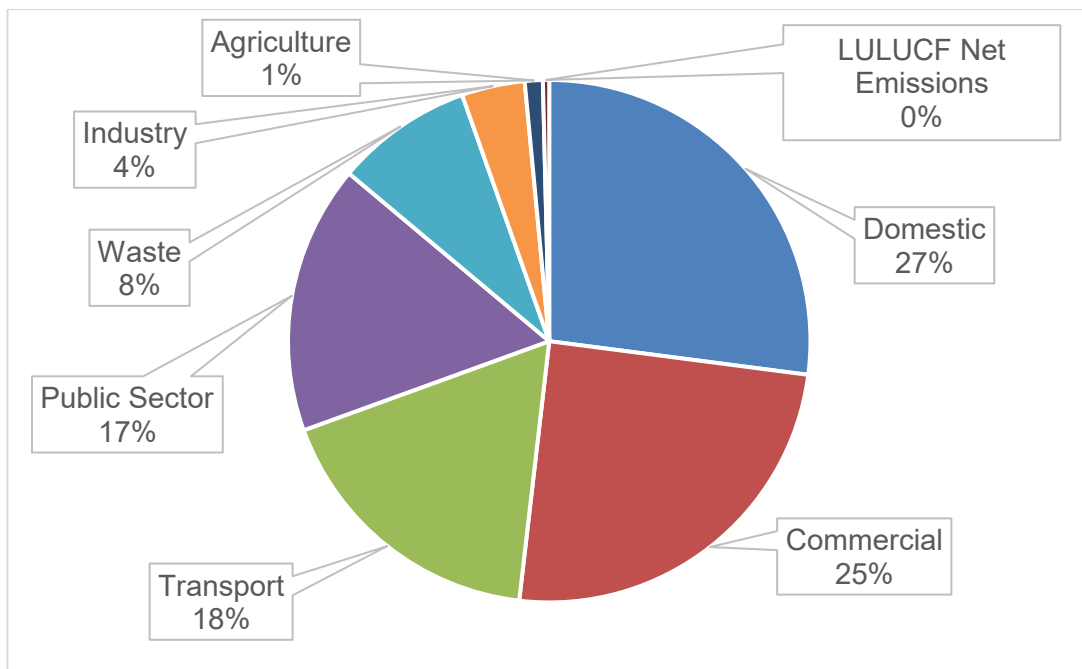
**Chart 1: Total Greenhouse Gas Emissions in Cambridge 2005-2022 (ktCO<sub>2</sub>e)**



- 3.9 While the Council, residents and partners in the city have taken a range of actions over this period, the reduction in emissions from Cambridge (and other cities) in more recent years has been driven primarily by reduced use of coal in electricity generation and the inclusion of higher levels of renewable energy in the national electricity mix.
- 3.10 The Council's Climate Change Strategy focusses on reducing carbon emissions from the key sources of emissions in the city and where the Council has most influence. As shown by Chart 2, on the next page, the greatest source of greenhouse emissions in Cambridge in 2022 was from energy consumption in domestic properties (heating and powering homes) at 27% (the UK average was 22%), which is almost a third of the city's emissions, emphasising the importance in reducing emissions through retrofit and influencing residents' behaviour in this sector.

3.11 Emissions from commercial sources (shops and businesses) contributes the second highest proportion of emissions in Cambridge at 25%, which is much higher than the UK average of 9% for local authority (LA) areas. In contrast, emissions from industry were the third lowest proportion of emissions in Cambridge at 4%, compared to a UK average of 17%.

**Chart 2: Sources of Greenhouse Gas Emissions in Cambridge in 2022 (ktCO<sub>2</sub>e)**



3.12 Transport was responsible for the third highest proportion of emissions in Cambridge at 18%, which is lower than the UK average of 31%. This suggests that actions to reduce emissions from transport are also important in reducing carbon emissions in the city.

3.13 The fourth highest sector contributing to the city's emissions is from the public sector which contributes 17%, a much higher proportion than the UK average of 3% from this emissions source. This reflects the number and size of councils, health and education bodies in the city.

3.14 Cambridge City Council was only directly responsible for 0.87% of total carbon emissions in the city in 2022, so there is a need for significant action by residents, businesses and other public organisations in the

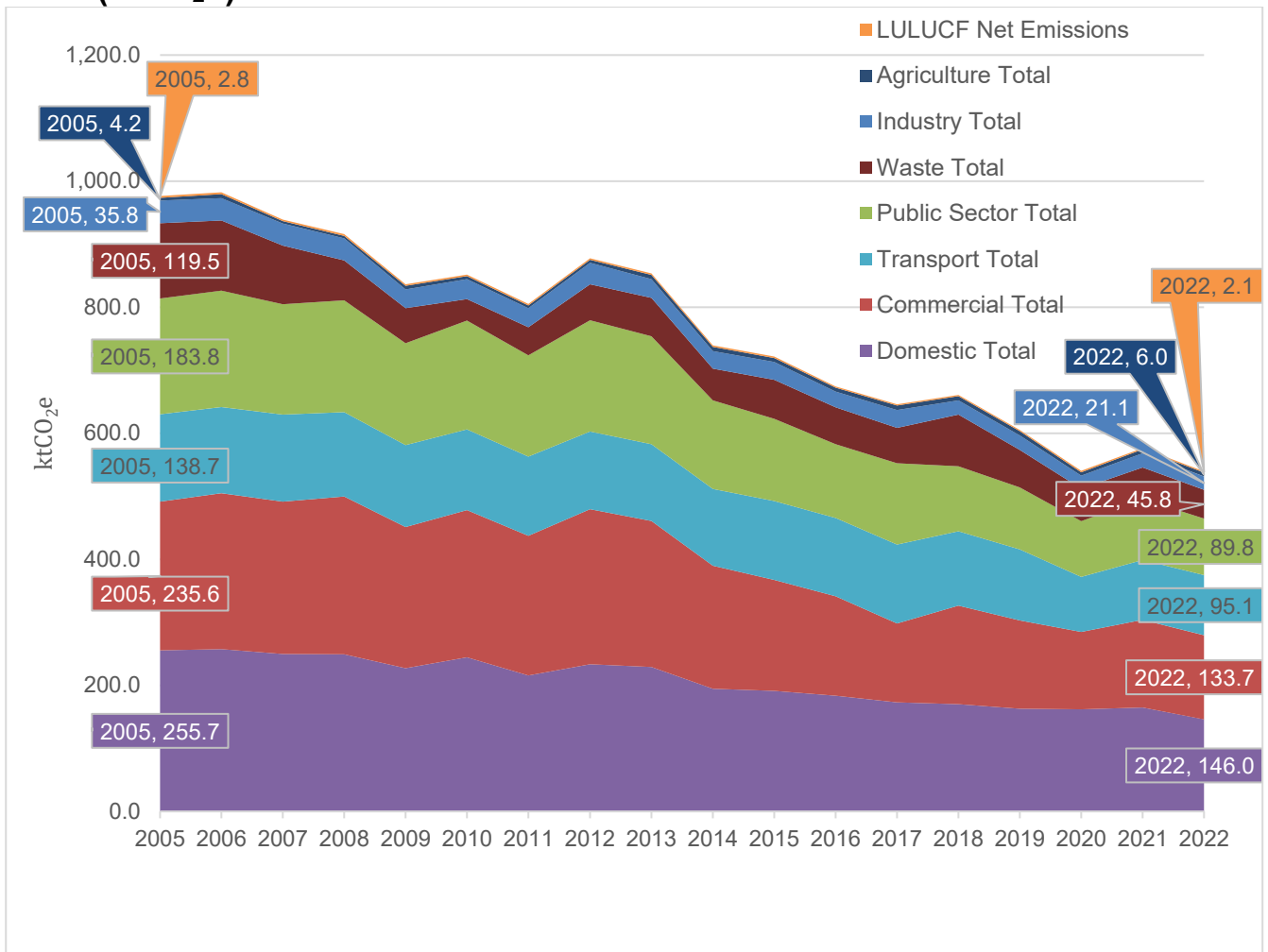
city, to reduce their emissions, if Cambridge is to become net zero carbon.

- 3.15 Waste (8% of Cambridge's emissions) and agriculture (1%) were included in the emissions estimates<sup>3</sup> for the first time in 2020. The emissions estimates therefore now also cover territorial emissions of methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) as well as carbon dioxide (CO<sub>2</sub>) and so the statistics are now estimates of greenhouse gas emissions, and not just carbon.
- 3.16 LULUCF (Land Use, Land-Use Change and Forestry) Net Emissions covers emissions and removals of greenhouse gases resulting from direct human-induced land use, land-use change and forestry activities and at 2.1 ktCO<sub>2</sub> the percentage contribution in Cambridge is about 0.4%, which does not show on Chart 2.
- 3.17 As shown by Chart 3 on the next page, emissions associated with all sectors have reduced between 2005 and 2022, although some sectors have seen a greater reduction than others, and although there was an increase in 2021, as activity returned to normal after Covid restrictions eased, reductions have then continued in 2022.

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<sup>3</sup> [www.gov.uk/government/collections/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics](https://www.gov.uk/government/collections/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics)

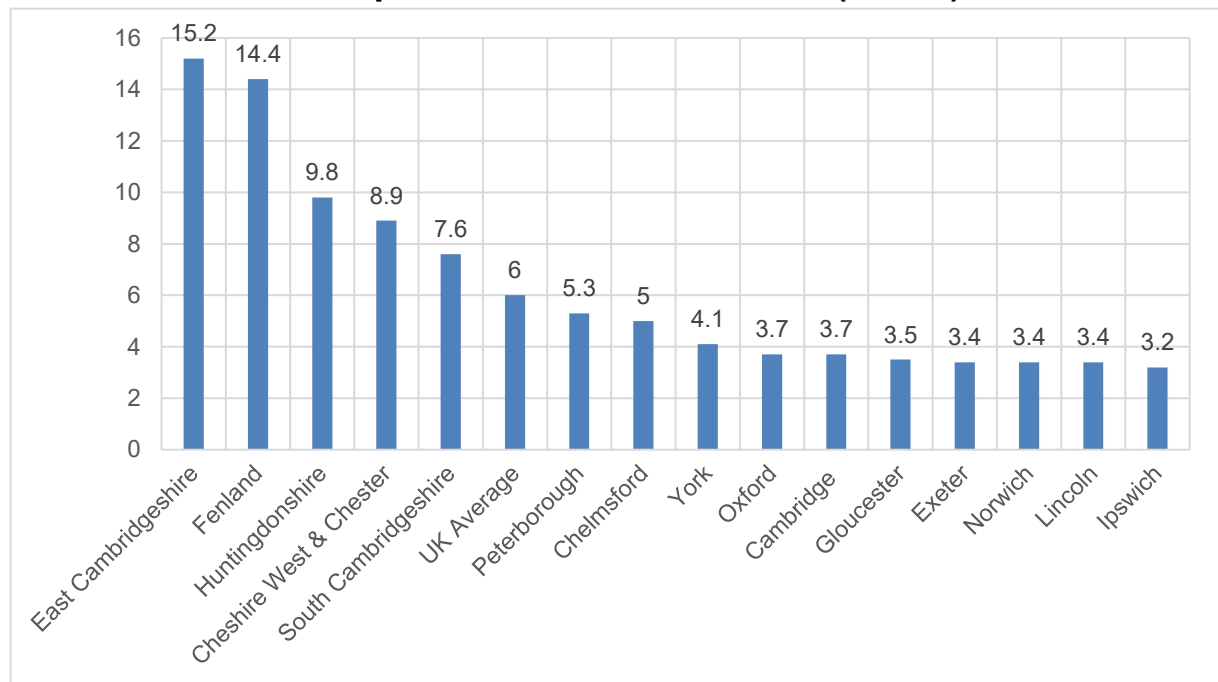
**Chart 3: Sources of Greenhouse Gas Emissions 2005-2022 (ktCO<sub>2</sub>e)<sup>4</sup>**



3.18 Chart 4 on the next page shows per capita emissions estimates (emissions per unit of population) in Cambridge compared to other local authorities in Cambridgeshire and also cities in England with comparable populations (ranging from 99,000 to 195,000) and functions.

<sup>4</sup> LULUCF: land use, land use change and forestry activities. The LULUCF Sector differs from other sectors in the Greenhouse Gas Inventory in that it contains both sources and sinks of greenhouse gases. The sources, or emissions to the atmosphere, are given as positive values; the sinks, or removals from the atmosphere, are given as negative values, source: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/1087003/ulucf-local-authority-mapping-report-2020.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1087003/ulucf-local-authority-mapping-report-2020.pdf).

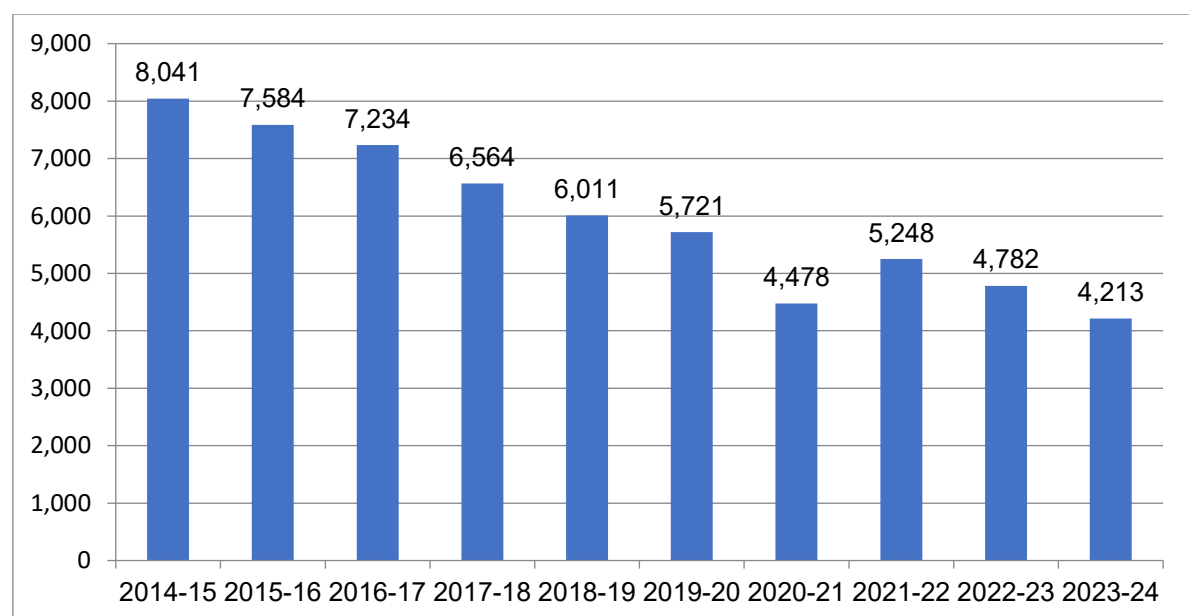
**Chart 4: 2022 Per Capita Emissions Estimates (tCO<sub>2</sub>e)**



Cambridge City Council's carbon emissions

3.19 The Council calculates its carbon emissions from its estate and operations, and reports these to Government in our annual Greenhouse Gas Report. The report for 2023/24 is available on the Council's website here: [www.cambridge.gov.uk/carbon-management-plan](http://www.cambridge.gov.uk/carbon-management-plan).

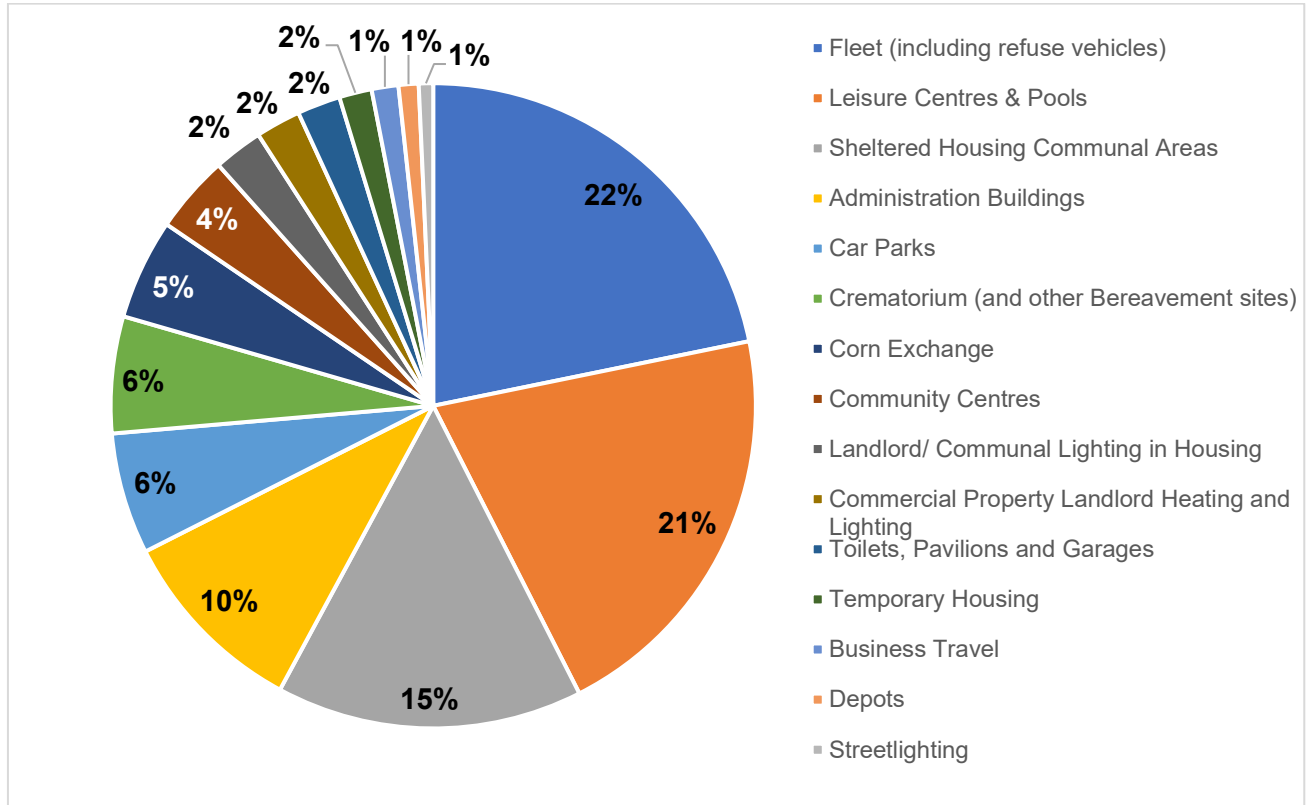
**Chart 5. Council's Total Carbon Emissions (tCO<sub>2</sub>e)**





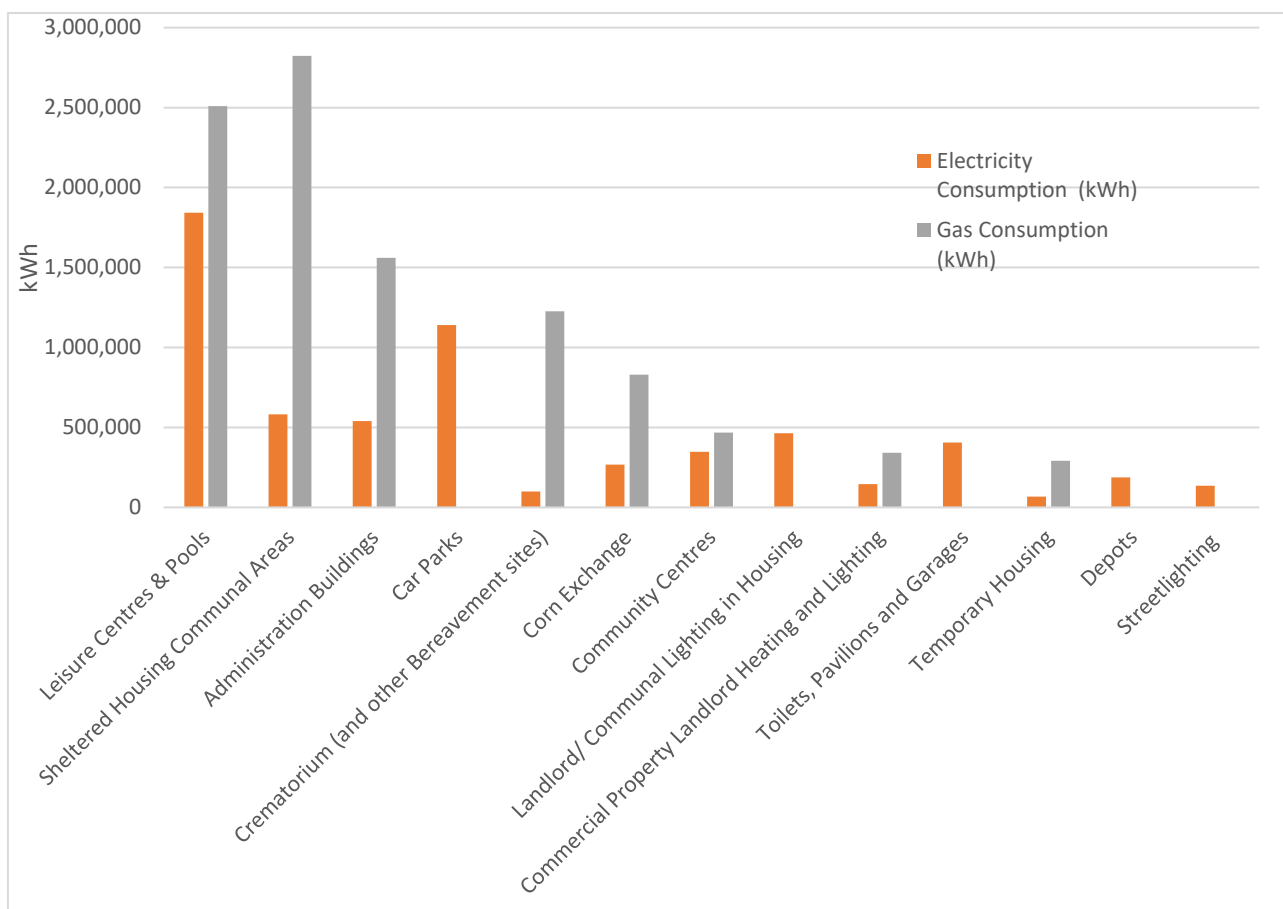
- 3.20 As shown by Chart 5 on the previous page, from 2014/15 to 2023/24 the Council's carbon emissions have reduced by 47.6% to 4,213 tCO<sub>2</sub>e. This reduction was partly due to steps that the Council has taken, including rationalising its office accommodation, investing in energy efficiency and renewable energy measures in its buildings, and reducing carbon emissions from its fleet vehicles. A significant proportion of the reduction since 2014/15 has been due to the decarbonisation of electricity generation at a national level, through the progressive closure of coal-fired power stations and increasing renewable electricity generation.
- 3.21 However, a reduction in the Council's emissions has been achieved in 2023/24 despite the carbon factors used to calculate the emissions for electricity for 2023 increasing and not reducing (by 7% compared to the 2022 update) for the first time since 2014, due to an increase in natural gas use in electricity generation nationally and decrease in renewable energy generation nationally.
- 3.22 As shown by Chart 6, on the next page, in 2023/24 the greatest proportion of emissions came from the Council's fleet (22%) followed by leisure centres and pools (21%), sheltered housing communal areas (15%), administration buildings (10%), car parks (6%), crematorium (6%), Corn Exchange (6%), community centres (5%). In 2022/23, leisure centres and pools and fleet generated 50% of the Council's emissions, however, due to measures implemented in both areas in the last financial year (detailed in Section 5) this proportion has reduced to 43%.

**Chart 6: Council's Carbon Emissions by Source (tCO<sub>2</sub>e) in 2023/24**



3.23 Some of the main sources of the council's emissions are the sites that use a significant amount of gas, including the leisure sites, sheltered housing communal areas, administration buildings, Corn Exchange and crematorium. The Council's leisure sites consumed the most gas of all the groups of sites in 2023/24 (2,508,535 kWh compared to 4,538,931 kWh last year) and the highest amount of electricity (1,842,399 compared to 1,509,286 kWh last year) as shown in Chart 7 on the next page. These changes are a result of the installation of ASHPs to decarbonise the heating at a number of the leisure sites, which use electricity instead of gas.

**Chart 7: Electricity and Gas Consumption by Source (kWh) in 2023/24**



Carbon Management Plan 2021-26

3.24 The Council has set a target in the Climate Change Strategy to reduce direct carbon emissions from our corporate buildings (including swimming pools, office buildings, car parks, sheltered housing schemes, community centres, arts venues and the crematorium), fleet vehicles (including vans, trucks and refuse vehicles), and business travel, to net zero by 2030.

3.25 The Council has produced a Carbon Management Plan for 2021-26<sup>5</sup>, which sets out the projects that will help reduced carbon emissions from our corporate buildings, fleet vehicles and business travel. Details of the carbon reduction projects that have been delivered during 2022/23 are provided in section 5, and a table providing further information on these

<sup>5</sup> <https://www.cambridge.gov.uk/media/9580/carbon-management-plan-2021-26.pdf>

projects or 2023/24 and beyond, is included in the Carbon Management Plan at Appendix B.

## **4. Communications, engagement and collaboration**

- 4.1 Raising awareness of climate change and encouraging action to help the city to reach net zero carbon emissions is a key priority for the Council. During 2023/24, we have taken forward a range of communications and engagement actions with staff and residents, and we have continued collaborative activities with local businesses, institutions and organisations.
- 4.2 In March 2023 the council released an infographic depicting the key milestones of the council's journey to Net Zero Carbon to date. An update to this is being planned for 2024/25.

### Staff training and awareness

- 4.3 In 2021/22 a 30-minute online CPD Certified Environmental Awareness course was added to the staff induction programme and all existing staff were asked to complete it. As of August 2024, 598 members of staff had completed the training.
- 4.4 In addition, a 1.5 hour 'Climate Change – Net Zero training' session was developed and delivered by the Council's Climate Change Officers to groups of senior managers and councillors. Sixteen training sessions were held from January 2022 – June 2024 and 34 councillors and 105 managers have been trained to date.
- 4.5 The Council's Active Lifestyles team championed National Walking Month in May with the Annual "Step Challenge" for staff. 58 staff members registered over 21.0 million steps during the 4-week challenge. The team also promoted September's national cycling campaign "Love to Ride" to encourage more staff to cycle to work.

## Communications and awareness-raising for residents

- 4.6 During 2023/24 the Council engaged residents through a number of different ways to inspire and empower residents to make well-informed low carbon choices. This included providing practical tips and signposting to resources and information to make it easy for residents to adopt more sustainable behaviours, including holding a stall Cambridge Zero's Community Day event in February 2024. The Communications team also raised awareness of Council action and projects to address climate change.
- 4.7 In early 2024/25, The Council procured Cambridge Carbon Footprint (CCF) to develop and deliver a second iteration of the climate change training course for residents. This aims to support residents and motivate, empower and enable them to take practical, impactful climate action to reduce their carbon footprint.
- 4.8 There have also been regular articles in Cambridge Matters communicating practical information to support residents to make low-carbon choices in their home. Articles provided information and signposted residents to resources to help them save water and make their home more energy efficient, including promoting the Cambridge Retrofit Guide and free thermal imaging camera training run by CCF.
- 4.9 The Council's Streets and Open Spaces Community Engagement team continue to deliver educational classroom talks and fun interactive activities to city primary schools as part of their Environmental Education Programme. In 2023/24 they delivered 7 school talks (about environmental crime including litter, graffiti, and dog fouling; and more recently biodiversity and trees). The team have organised some community litter picks for the groups and 5 biodiversity events including improvement of school grounds and creating insect habitats. This has helped to communicate environmental messages to children, their families and throughout the wider community and can form part of the Keep Britain Tidy Eco-Schools program.

## Communications and engagement with organisations:

4.10 City Leaders Climate Change Group: Since 2017, the Council has convened the City Leaders Climate Change group, which brings together key partners, including businesses, universities, and public sector organisations to explore how carbon emissions in the city can be reduced and to identify ways to collectively amplify impact across the carbon system of Cambridge. During 2023/24 the Council has jointly convened two meetings of the group in partnership with the University of Cambridge's Cambridge Institute of Sustainability Leadership (CISL) and Cambridge Zero. Both events were hosted at CISL's retrofitted building Entopia. The events focused on creating tangible outputs which accelerate progress towards net zero:

- In July 2023, the group progressed the five co-created solutions by collaboratively developing them further and identifying the next steps for each solution.
- In November 2023, the group refined each of the five areas, looking at the why, the what, the how and the who. A decision was then reached to focus in on scaling retrofit.
- In June 2024, the group had a further workshop, which explored potential solutions to three key barriers: finance and funding, supply chain / contractor capacity and public confidence. Key actions and next steps were identified.
- The steering group met following this, in July and August, with the next workshop likely to take place in autumn 2024.

4.11 Green Business Programme: The Council is working in partnership with Huntingdonshire District Council, South Cambridgeshire District Council and the Cambridgeshire and Peterborough Growth Hub, to develop a new support programme for local businesses located in Cambridge City, Huntingdonshire and South Cambridgeshire. The Green Business Programme is part funded by the UK Government through the UK Shared Prosperity Fund (UK-SPF) and overseen by the Cambridgeshire and Peterborough Combined Authority.

4.12 The programme will support small to medium sized businesses (SMEs) and offer access to expert advice to develop a practical, tailored net

zero road map. Businesses can also apply for a capital grant of up to £5,000 to part-fund investment in carbon-saving technology, equipment or improvements.

- 4.13 Local Climate Change Forum: During 2023/24 the Council convened 5 meetings of the Local Climate Change Forum, which brings together the Council and local voluntary and community groups (including Cambridge Carbon Footprint, Cambridge Sustainable Food, Carbon Neutral Cambridge, Friends of the Earth and Transition Cambridge) to explore opportunities for collaborative activities to help address climate change.

## **5. Progress in delivering the key actions under Objective 1**

Emissions from the Council's corporate estate:

- 5.1 Action 1.1: Reducing emissions from the Council's building estate  
Objective 1 of the Climate Change Strategy, 'Reducing carbon emissions from the City Council's buildings, land, vehicles and services', is being delivered through carbon and energy reduction projects as part of the Council's Carbon Management Plan 2021-26, an update for which is at Appendix B. During 2023/24, the following projects which will reduce the Council's emissions were progressed on the Council's estate:
- 5.2 Asset Management Plan: Following approval of the Asset Management & Decarbonisation Plan, at Environment and Community Scrutiny Committee in March 2023, the first round of work has identified appropriate heat decarbonisation measures for the Council's corporate buildings, which are not included in the Civic Quarter and new Operational Hub projects (Crematorium, Kelsey Kerridge Sports Centre linked to Parkside Pool, Brown's Field Community Centre, Barnwell House and Trumpington Pavilion). The Council will be applying for the Department for Energy Security and Net Zero's Public Sector Decarbonisation Scheme Phase 4 (PSDS) funding for these buildings, which Salix is due to open for applications in mid-October 2024.

- 5.3 Eligible projects will progress to RIBA stage II heat decarbonisation feasibility studies, aligned with Salix PSDS Phase 4, and the remainder will progress to a comprehensive heat decarbonisation plan to be completed by summer 2025. The recruitment for the corporate Retrofit Project Manager required to deliver the developed programmes was restarted in August 2024.
- 5.4 Civic Quarter Project: The Council is working with a development consultancy team to reimagine Cambridge's Market Square, Guildhall, and Corn Exchange and create a new civic quarter for the city. There are three primary objectives for the project:
1. Creating a more attractive central Cambridge destination for residents that would increase visitor numbers for the market, the Corn Exchange, and businesses in the area, whilst providing modern flexible office facilities for its own staff to improve staff retention.
  2. Enhancing revenue streams across these three sites and reducing operational costs to ensure we can preserve services that our residents need and value most.
  3. Helping the council to meet its net zero carbon by 2030 target.
- 5.5 We are aiming for exemplar project outcomes, targeting Operational Net Zero, water neutrality and a Biodiversity Net Gain of 20% across the Civic Quarter. The design work to date includes consideration of fabric upgrades and alignment with ENERPHIT and LETI standards, introduction of water saving measures, PV panels and enabling a future connection to the proposed city centre District Heating Network.
- 5.6 The project will be delivered in phases with the Council having the opportunity to review outputs at key gateways before commitment to subsequent phases. The current phase relates to the completion of RIBA Stage 2 designs for the Civic Quarter and development of the associated financial business case which will be presented to Strategy and Resources Scrutiny Committee in November 2024. The Council are funding the project through £20m earmarked from reserves and income generated through the future development / sale of Mandela House offices, with further funding opportunities being considered.



- 5.7 City Centre District Heat Network<sup>6</sup>: Joint funding from the Government's Heat Networks Delivery Unit (HNDU), the City Council, Cambridge University, Anglia Ruskin and 10 contributing colleges mean that a budget of c£1,000,000 has been made available to fund the second stage feasibility study for a city centre heat network. To strengthen this commitment, a Memorandum of Understanding has been agreed by all parties and is currently being circulated for signature. This MoU enshrines the guiding objectives of the project and the cooperative approach adopted.
- 5.8 An expert advisory panel has been established, constituted of up to 15 senior professors from across the 17 colleges. This panel acts as an academic review panel which will consider specialist consultant outputs and provide comment for consideration to the Steering Group which ultimately make decisions on the project.
- 5.9 Given the increased budget available, we have also allowed for an additional work package looking at a broader Heat Zoning Study. This will help the project frame broader Planning policy across the City, requiring new developments to connect to existing networks in future; ensuring that any potentially delivered network can be expanded and reduces risk in the long term.

#### Improvements to Commercial Properties

- 5.10 Action 1.6 - Identify and assess the required improvements possible to remaining existing commercial properties (that will not be redeveloped as part of the commercial property redevelopment programme) to achieve net zero carbon, and obtain costs estimates for the improvement works: Since the beginning of 2023, a further 20 EPCs (energy performance certificate) assessments have been produced for Council-owned commercial properties, taking the total to 158. This has resulted in a small improvement in the overall picture as almost all of the Council's commercial properties that require EPCs now have them. Around 10% of the Council's commercial properties are now in bands A or B, meaning they already meet the proposed national minimum

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<sup>6</sup> [www.cambridge.gov.uk/city-centre-heat-network](http://www.cambridge.gov.uk/city-centre-heat-network)

standard of at least 'B' by 2030. These properties represent around 12.5% of total floor area. This information has been combined with existing EPC data, in order to identify improvements required. The information is also being used to inform an asset review, which will identify properties that are a priority for investment, as well as those to be redeveloped or disposed of. Capacity constraints within Property Services has limited the scope for further action on this issue.

### Fleet Decarbonisation

- 5.11 Action 1.5 - Waste fleet replacement: Greater Cambridge Shared Waste Service, (GCSWS) a partnership between South Cambridgeshire District and Cambridge City Councils, is progressively replacing Refuse Collection Vehicles (RCV) with electric vehicles or low carbon alternatives at the point when they are due for replacement. There are now 4 eRCVs in operation. A 4<sup>th</sup> eRCV, a Dennis eCollect, went into service in June 2024 on the inner-city trade collections, which will further reduce the service's diesel use and therefore carbon emissions during 2024/25. The service also operates 3 electric vans used by supervisors across South Cambridgeshire and Cambridge.
- 5.12 Following a successful trial in 2022, the GCSW Service have been using hydrotreated vegetable oil (HVO) as a direct replacement for mineral diesel fuel in 10 of the fleet vehicles that operate in the city (and 8 that operate in South Cambridgeshire) which results in at least a 90% reduction in carbon emissions when compared to running the same vehicles on diesel. The generators used at the Council's events, such as the Folk Festival and the fireworks, now also use HVO instead of diesel.
- 5.13 Waterbeach Renewable Energy Network (WREN) solar project: An outline design for the scheme has been developed, and a professional team including an Employers Agent and Technical Advisor will be appointed to move the project to the procurement phase. This will ensure the most effective and optimal design, build and operate contracts are in place. The project team have had good engagement from UKPN (UK Power Networks), who are continuing to progress grid connection work. Land leases and licenses for the solar site and

construction zone are in progress and being finalised with the landowner. Following trials of eRCVs with larger batteries, 18 can be accommodated into the fleet and the WREN project scope. The WREN project team are working closely with Shared Waste Operations and Waste Policy to ensure changes to the Depot align with wider service requirements. The project team have established a link with Exeter City Council who have similar scheme of solar and storage on a closed landfill, to share learnings.

- 5.14 Council Fleet Vehicles: Our fleet currently comprises 120 vehicles and equipment, including panel vans, tipper vans, mobile plant such as tractors and ride-on mowers, large and small road sweepers, and two refuse collection vehicles. Of these, fifteen are electric vehicles (EVs), one is a petrol hybrid, and 104 are diesel-powered. The latest addition to the EV fleet arrived in March 2024.
- 5.15 The Fleet Services Team is preparing to embark on a comprehensive fleet replacement programme over a rolling three-year period, targeting the replacement of one-third of the fleet each year, except for the recently acquired EVs, with electric alternatives wherever feasible. The replacement project started in 2024, with the first new vehicles expected to arrive in 2026/27 and continuing with additional arrivals during 2027/28 and 2028/29.
- 5.16 Where EV solutions are not considered viable due to cost, technological limitations, or other factors, we will explore alternatives such as hydrotreated vegetable oil (HVO) and develop the business case.

## **6. Progress in delivering the key actions under Objective 2:**

### Retrofitting energy efficiency and low carbon energy measures in existing homes

- 6.1 The Council has assisted residents to reduce their carbon emissions through a range of measures in 2024 to improve the energy efficiency and increase low carbon and renewable energy generation in existing

homes in Cambridge.

- 6.2 Delivery of energy improvement works to council homes has proceeded in two phases, with part funding from the DESNZ Social Housing Decarbonisation Fund (SHDF). Phase one, for 40 homes, was procured under an existing contract with TSG, and completed in Autumn 2023. The tender for phase two, for approximately 270 homes, was awarded to Aran Insulation in December 2023, with a total value of approximately £8.6m. Phase two works commenced in January 2024 and are expected to complete in March 2025. 18 phase two homes were completed by March 2024, which means that a total of 58 homes were completed within the 23/24 financial year across both phases.

An additional 41 phase 2 homes were completed up to the end of July 2024, and progress is broadly in line with the grant KPIs. The retrofit improvement works, which bring the EPC rating of the homes up to at least a 'C', include external wall insulation, loft insulation and improved ventilation. New triple glazed windows and doors are also being installed in conjunction with the external insulation where existing windows and doors are close to the end of their service life. The Council team overseeing the works has grown from 1 to 4 staff to manage the increased delivery. The 3 new temporary roles are funded from the SHDF Wave 2.0 grant.

Looking ahead, the Council plan to apply for further funding from SHDF Wave 3.0 when it opens later this year. The Council is also working to set up a new framework to streamline the procurement of future energy improvement works.

- 6.3 Action 2.9 – Deliver Net Zero Retrofit pilot to 50 Council homes  
In July 2022, the Council launched a Net Zero Retrofit pilot housing project, investing up to £5m to retrofit 50 Council homes to net zero carbon standards. The pilot will bring benefits to low-income tenants by reducing their energy bills and carbon emissions and will help to stimulate the market for zero carbon retrofit installers in Cambridge. Planning permission was received in August 2023. The tender was issued in October 2023 and awarded in March 2024 following four

rounds of clarifications. Works started on the first home in May 2024, with works on the final home anticipated to be completed in Spring 2025.

- 6.4 Action 2.5 - Funding to deliver retrofitting of energy efficiency measures to private homes in Cambridge: The Council continues to work with other Cambridgeshire local authorities in the Action on Energy partnership using Government grant funding to retrofit energy efficiency measures to private homes across Cambridgeshire.
- 6.5 In February 2024, The Council and other Cambridgeshire local authorities in the Action on Energy consortium signed off the £6.46m Sustainable Warmth Scheme (which includes LAD3 and HUG1). The scheme supported 141 properties across Cambridgeshire, with 200 measures being installed. 10 of these properties were located in Cambridge.
- 6.6 Following the successful bid for the Government's Home Upgrade Grant 2 (HUG2) in March 2023, which awarded £11.5m, the consortium has installed 235 energy efficiency and clean heat measures in 131 homes for low-income families across Cambridgeshire. 11 of these homes are in Cambridge. A further 232 Cambridge households were provided wider support through home energy interventions in partnership with others organisation working under the Action on Energy brand.
- 6.7 The council has also been successful is working with Government to adapt the scheme criteria to make the funding accessible to more residents going forwards.
- 6.8 The Council also procured a four-year framework relationship with six contractors to deliver energy efficiency measures in private homes. This framework agreement will help secure supplier capacity to deliver Government-funded schemes such as the Sustainable Warmth Scheme and HUG2. The framework is also accessible to residents, helping homeowners who are in a position to pay for measures to navigate the market for suppliers and find contractors to do retrofit work.

- 6.9 Action 2.3 - Promoting group-buying schemes for solar PV: The Council has worked with Cambridgeshire County Council to promote a solar PV collective purchase scheme which provides residents with solar PV and battery storage installations at a significantly reduced cost. The scheme is run as an auction, with interested residents registering with iChoosr (at no obligation) and installers then bidding to provide solar PV for the group of interested residents. The second round of the scheme was launched in February 2022 and was completed in August 2023. A total of 348 solar PV systems and 20 battery-only installations were completed in Cambridge. This amounted to 3,065 individual panels, generating a capacity of 1,196kw. There are no current plans for Cambridgeshire County Council to co-ordinate another round at this time, but the district Councils are looking into options to be able to support similar activity going forward.
- 6.10 Action 2.6 - Taking enforcement action against private landlords if their properties do not meet the national Minimum Energy Efficiency Standards: From April 2021, the national Minimum Energy Efficiency Standards (MEES) require landlords and property managers to ensure that privately rented homes reach a minimum EPC rating of E. The Council is taking enforcement action against private landlords whose properties do not meet these standards. The targeted intervention was completed in 2022/23 and is now integrated into business as usual.

Energy efficiency and low carbon energy in new homes

- 6.11 The Council has assisted residents to reduce their carbon emissions by taking steps to improve energy efficiency and increase low carbon and renewable energy generation in new homes in Cambridge.
- 6.12 Action 2.2 - Building up to 1000 new homes to Passivhaus standards: The Council now has an approved programme of 1976 homes being delivered across the current 10yr new homes programme and the preceding 500 homes programme. Of these, 998 are net new build council homes, with 525 completed to date.
- 6.13 Housing delivery is aligned to the Councils Sustainable Housing Design

Guide, setting a target for affordable homes to be delivered to Passivhaus standards, and targeting net zero delivery by 2030. The council now has 535 homes in development which are being delivered to- or are benchmarked against Passivhaus Performance levels. These include the Council's first 35 Passivhaus certified houses at Fen Rd, Ditton Fields and Borrowdale, completed earlier this year; 14 homes at Aragon and Sackville Close, scheduled for completion this Autumn; and Aylesborough Close, currently under construction and scheduled to deliver 70 completed flats in October 2025. The further sites of East Barnwell (120 homes) and Fanshawe (45 affordable homes) have also secured approval at planning committee, significantly bolstering the councils sustainable housing delivery.

## 7. **Progress in delivering the key actions under Objective 3:**

### Improving bus, cycling and walking routes

- 7.1 The Council has taken a number of steps in 2023/24 to support the improvement of transport infrastructure, increase the sustainability of transport, and encourage residents to shift to more sustainable modes of transport, such as bus travel and cycling. These actions include:
- 7.2 Action 3.1 - Supporting the Greater Cambridge Partnership (GCP) to deliver a range of walking, cycling and bus improvements on key routes into and across Cambridge: The Council is one of the key partners in the GCP, alongside Cambridgeshire County Council and South Cambridgeshire District Council. The GCP is delivering a comprehensive programme of sustainable transport initiatives. The Histon Road project, which included a dedicated bus lane, floating bus stops, and additional and wider cycle lanes to encourage more people to walk, cycle or take the bus along Histon Road, was completed at the end of 2021. Construction of new bus lanes and active travel links to create more reliable public transport trips and safer walking and cycling

journeys along Milton Road began in July 2022 and is due for completion in Q3 2024<sup>7</sup>.

- 7.3 The Greenways scheme will provide radial cycling and walking routes connecting Cambridge and surrounding settlements and employment sites. Construction of the Horningsea Greenway is underway and due for completion in October 2024. The Bottisham and Swaffhams Greenways, both of which connect to the Horningsea Greenway, are in detailed design with construction due to start in 2025. Work is due to start onsite on three Greenways over the summer of 2024, the Meldreth link section of the Melbourne Greenway, early works on Barton Road as part of the Barton Greenway, and early works on Cowley Road as part of the Waterbeach Greenway. The Comberton Greenway early works will start later in the year. Fulbourn Greenway Phase 1 is due for construction late in 2024, with options for Phase 2 under development. Options for the final sections of the Linton Greenway are being examined, with the Newmarket Road (note: this is not Newmarket Road, Cambridge, which is covered under Cambridge Eastern Access project) section to be constructed this year.
- 7.4 Through to 2030, further improvements to walking, cycling, and bus travel will be made through the Cycling Plus Hills Road and A1134 projects, Chisholm Trail Phase 2, Madingley Road, Cambridge Eastern Access (Newmarket Road), and GCP Busway schemes. Taken together, these schemes represent a significant enhancement in Greater Cambridge's sustainable transport capacity that will enable many more people to walk, cycle or use public transport.
- 7.5 In September 2023, the GCP Executive Board decided to stop work on proposals for a Sustainable Travel Zone. Work to explore further solutions to Greater Cambridge's congestion issues and encourage mode shift to public transport and active travel will be taken forward through the Greater Cambridge Transport Strategy. This work is undertaken in the context of the emerging Greater Cambridge Local

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<sup>7</sup> Greater Cambridge Partnership Joint Assembly Quarterly Progress Report (12 September 2024) for further information: [Agenda Item No \(cmis.uk.com\)](https://cmis.uk.com)



Plan and will form a sub-strategy to the Cambridgeshire and Peterborough Local Transport and Connectivity Plan.

- 7.6 Walking and cycling promotion – Council services carried out a number of activities to support and promote cycling and walking. The Streets and Open Spaces team have continued awarding a programme of walking, cycling and active travel promotional grants, led the multi-partner work that has helped reduce reported cycle crime levels in and around Cambridge since 2019 by c56%, and supported partner agencies such as the Police and Camcycle with their events programmes, including cycle security registration and marking.
- 7.7 The Council's Active Lifestyles team have run 7 bicycle repair workshops at open spaces, pavilions and summer events in the city with around 100 people attending for workshop tutorials and security registrations. The Recreation team have also installed new cycle parking bays around Chesterton and Nightingale Pavilions to promote cycling to the facilities. Walking is also promoted as part of the Healthy You offer across the city with over 120 people attending a range of walks throughout the year from “mindful meanders” to led walks around the Botanical Gardens.

#### Supporting the take-up of electric vehicles

- 7.8 During 2023/24 the Council has taken forward a number of projects to support the transition from petrol and diesel vehicles to electric vehicles (EVs) and to provide new charge points for EVs.
- 7.9 Action 3.10 - Procuring a commercial partner by 2022 to deliver electric vehicle charging infrastructure in Council car parks and other Council-owned land and sites: The Council is working in partnership with Connected Kerb, one of the UK's largest providers of EV charging infrastructure, to provide a network of more than 600 publicly accessible EV charging points, at 14 public car parks across Cambridge. The programme aims to make it significantly easier for people in Cambridge to charge electric vehicles, with free parking available overnight between 6pm and 8am for users of the charge points.

- 7.10 During 2023 the first 27 EV charging points were activated in March 2023 at Adam and Eve Car Street Park (15) and Arbury Court (12). Another 60 new charging points have been installed so far during 2024 at Gwydir Street (8), Queen Anne Terrace multi-storey (40) and Campkin Road (12) car parks. Installation of the 23 charging points at Castle Hill car park is expected to be finalised in August 2024, as part of Phase 1 of the deployment plan, which will run until 2030.
- 7.11 Proposed work for circa 43 additional EV bays for Phase 2 is currently underway at the following locations: Petworth Street (5), Leete Road (6), Sleaford/ Ainsworth Road (6), Cherry Hinton Car Park (8), Gwydir Street Craft Workshop (6), Norfolk Street (6), St Bede's Crescent (6). Phase 3 will include charging points at Park Street, Grand Arcade and Grafton East car parks.
- 7.12 Action 3.8 - Requiring all new taxis registered in Cambridge to be Ultra Low Emission Vehicles (ULEVs) or zero emissions vehicles from 2020, and all taxis to be ULEVs or zero emissions vehicles by 2028: There are currently 60 fully electric (zero emission<sup>8</sup>) and 33 Ultra Low Emission<sup>9</sup> taxis that have been licensed, out of a total of approximately 389 licenced taxi vehicles in Cambridge, and numbers of electric taxis are increasing each year.

## 8. **Progress in delivering the key actions under Objective 4:**

- 8.1 The Council has delivered or funded a number of activities in 2023/24 to encourage and support residents and businesses to reduce their consumption of resources, reduce waste and increase recycling. These actions include:
- 8.2 Action 4.3 – Reducing plastics usage at Council-run events such as Cambridge Folk Festival and the Big Weekend: Following the ban on the use of single use plastics by on site caterers and backstage at

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<sup>8</sup> Zero emission vehicles are those that emit no emissions during their operation. These include battery electric vehicles, hydrogen fuel cell vehicles, and electric vehicles.

<sup>9</sup> Plug-in hybrid vehicles or extended range electric vehicles (E-Rev) with CO<sub>2</sub> emissions less than 75g per km

Council-run events, there has been no single use plastic usage at Council festivals and events for over six years. In May 2023, events at the Corn Exchange and Guildhall also stopped using single-use plastic cups and swapped to reusable cups. Based on the estimate of two drinks per guest visiting the Corn Exchange per year, this is saving in the region of 330,000 single-use plastic cups being wasted each year.

In 2024, a Community Repair Corner was held at the Cambridge Folk Festival, allowing attendees to have items repaired there and then, to enable them to continue using them at the festival, and to want to take them home to reuse them again, as well as reducing the waste at the event. This resulted in 133 repairs over the 4 days (including camping chairs, air beds, tents, clothes and glasses), with just 3 items not being able to be repaired. The Council's next step will be to encourage attendees to bring their own reusable food containers to further increase the sustainability of Council-run events. This is estimated to take three years to fully implement. The Council also intends to provide resources at festivals that can be shared, such as pumps and mallets, to try to reduce the amount attendees need to carry and therefore reduce the need to drive to the festival and encourage them to consider a more sustainable form of transport to travel.

- 8.3 Action 4.5 - Continue communications campaigns as documented in Circular Resource Strategy to encourage residents to recycle more, generate less waste and contaminate less: 2023/24 has seen the continuation of the contamination campaign, aiming to improve the quality of recycling. This has included communication in Cambridge Matters magazine and on social media platforms. Targeted communication to residents was also undertaken. Other communication campaigns during 2023/24 have included waste prevention initiatives, as well as battery and small electrical recycling following the occurrence of fires in collection vehicles.
- 8.4 Recycling Champions supported 36 events through 2023/24, of which 19 were Community Action Days. These events help divert items that would otherwise go to landfill, including metal, wood and electricals, through educating about reuse and recycling. Furthermore, liveries

were installed on 3 RCVs to promote furniture re-use and repairing of electricals.

- 8.5 In addition, the team have supported and promoted 34 Repair Cafes across Greater Cambridge (55% increase on the previous year) with approx. 884 items mended (154 more than last year) and keeping approx. 2.5 tonnes of material in use and out of waste/recycling streams. Over 50% of these repair Cafes were in Cambridge. During 2023/24, 35 Swishes took place across Greater Cambridge (75% increase on previous year), 21 of which were in Cambridge, which helped to circulate an estimated 5 tonnes of clothing<sup>10</sup>.
- 8.6 Action 4.1 – Funding activities through the Council’s Sustainable City Grants by voluntary and community groups to reduce consumption and increase repair, re-use and recycling: The Council agreed to fund a number of activities during 2024/5 which will encourage residents and businesses to reduce consumption and repair, re-use and recycle goods. Cambridge Carbon Footprint will run a ‘net zero climate engagement event’ with a programme of talks (including how to run a repair workshop) and a Sustainable Fashion Campaign – providing continued support including by providing training sessions to allow more groups to run their own clothes swap events.
- 8.7 Action 4.6 Encouraging businesses to take-up recycling and food-waste collections provided by the Council on a commercial basis: 2023/24 has seen good growth with commercial recycling and food waste collections, with Q4 seeing 68 new customers. We continue to support commercial clients with their regulatory requirements, creating new communication material based on recent government consultation outcomes on the Environment Act.
- 8.8 Furthermore, the council has implemented a pilot of food waste collections at the two busiest council office sites (Mandela House and Cowley Road). This has also been rolled out with a wider campaign to encourage council staff to place their waste into the correct bins, looking to minimise general waste and increase recycling.

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<sup>10</sup> All these figures are based on known averages for the events

## 9. Progress in delivering the key actions under Objective 5

9.1 The Council has taken a number of actions to help promote sustainable food in Cambridge in 2023/24. These actions include:

9.2 Action 5.4 - Working with the Cambridge Sustainable Food network towards achieving the Sustainable Food Cities Network Gold Award for Cambridge: Since achieving the Bronze Award in 2016, and the Silver Award in July 2021 from Sustainable Food Places (one of the first six cities in the UK to have achieved the award) the Cambridge Sustainable Food Partnership, which includes the Council, has been successful in becoming the UK's third Gold Award winner in March 2024<sup>11</sup>. Sustainable Food Places focusses on six key themes and two areas of excellence including 'Action on climate and biodiversity' and 'From food insecurity to food justice: developing a new approach to ensure good food for all'. There are plans in place to ensure ongoing assessments, infilling any gaps to ensure the various criterion of the award are still covered to ensure the Gold standard is maintained.

9.3 Action 5.8 - Working with local voluntary and community groups and other partners to promote sustainable food practices to local businesses: The Council has agreed to fund Cambridge Sustainable Food through the Sustainable City Grants to deliver a range of activities during 2023/24, including running events to provide support to people to grow sustainable food through 3 Growing Cafes and 5 Good to Grow events and to recruit participants to a 'Grow a Row' initiative. CoFarm have been funded to run open co-farming sessions engaging the community to produce sustainably grown food which is then distributed through community food hubs in the city.

9.4 Action 5.2 - Work in partnership with local voluntary and community groups to address food poverty, including working with Cambridge Food Poverty Alliance and Cambridge Sustainable Food to develop a food re-distribution hub: The food poverty alliance has begun to focus on its next 3-year action-plan. In addition, the Council has commenced a

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<sup>11</sup> <https://cambridgesustainablefood.org/goldfoodcambridge/about>

feasibility study to look at what modifications would be required to bring a sustainable income into Cambridge Sustainable Food to continue food poverty and food education related work, with governance work still required. The Council hosted a food justice conference in October 2023, for which a lived experience video was created, capturing experiences of those using the food support systems within the city.

9.5 Action 5.1 - Incorporating sustainable food principles in council catering and at Council-run events where possible: The Council continues to incorporate sustainable food principles at Council-run events and in November 2023 the Cambridge Folk Festival again achieved Greener Festival 'Outstanding' Certification. The 'outstanding' classification signifies an exceptional event which has significantly reduced greenhouse gas emissions, has excellent travel, transport, food and waste management programmes, protects the environment and minimises water use - and communicates this to the public. In 2024, of the 23 food and drink vendors at the Cambridge Folk Festival, 96% offered vegetarian options, and 87% offered vegan options.

9.6 With regards to sheltered housing, it is more difficult to incorporate sustainable food when residents' choices and requirements are taken into consideration. Therefore, it is important to include sustainable practices into other aspects where possible. At Ditchburn Place sheltered housing scheme, sustainability was high on the agenda when procuring the new contract. As a result, the current contractor sources fresh meat, bakery and greengrocery via local suppliers, and seasonal produce where applicable. All fish sourced and used carry the MSC Blue Label accreditation.

Wastage is kept to a minimum, with a good understanding of resident demographics, including preferential individual portion sizes for each resident within the scheme, and recipes created to make use of any leftovers and peelings. All waste that is created, is segregated and recycled, with food waste being composted. All of the waste cooking oil is also recycled into biofuel. Furthermore, there are opening and closing procedures to minimise electricity and water usage.

- 9.7 Council teams have also embedded sustainability requirements into contracts when seeking a new caterer including a requirement for the food offer to contain a good mix of plant-based products and that focus must be given to reduce the volume of meat products sold.
- 9.8 A plant-based food motion was passed by the Council in May 2022, which resolved to transition council catering at Council cafes and kiosks and City Council run events to providing more plant-based food. In January 2023 the Council agreed to increase the amount of plant-based options provided at civic events, recognising that plant-based foods generally creates less carbon emissions than other foods.

Catering at the Annual Full Council meeting and all other civic events now consist of 100% plant-based food options. We will continue to seek to procure services from social enterprises for civic events, recognising the social value social enterprises bring to the local community.

- 9.9 Action 5.5 Encouraging residents to choose sustainable, local food and to reduce meat consumption through corporate communications messages: The communications team have shared Cambridge Sustainable Food posts onto our social media accounts, sharing useful information and sessions to help promote more sustainable diets. In addition, they have also shared posts from the Shared Waste Service social media accounts, including posts promoting Food Waste Action Week. When Cambridge won the Gold Food Award, it was promoted on social media and Cambridge Matters, further amplifying better food and diet practices. Over Christmas, posts reminding people to only buy what they need and what to do with leftovers were also shared across social media platforms.

## 10. **Progress in delivering the key actions under Objective 6 (adaptation)**

- 10.1 The Council recognises that in addition to reducing carbon emissions, it is equally important to ensure that Cambridge adapts to the impacts of climate change, including increased summer temperatures and overheating; water shortages and droughts; and flood events.

- 10.2 Adaptation Plan: We have updated the Council's Adaptation Plan (originally produced in 2018) to develop a Climate Risk and Vulnerability Assessment (CR&VA) and Adaptation Plan, as recommended by the Carbon Disclosure Project. We have used Local Partnership's Climate Adaptation Risk Matrix and Risk Register tool<sup>12</sup>, which includes a list of all 61 risks from the Government's third Climate Change Risk Assessment (CCRA3)<sup>13</sup>, mapped against the different council service areas, and who they are a risk to e.g. businesses, residents, infrastructure and nature.
- 10.3 27 of the 61 risks were determined to be relevant risks for the Council to consider the impacts for the city and the Council's services. In discussion with relevant officers, the impact and likelihood of these risks were scored using the Council's Risk Management Scoring Matrix and a risk rating score produced. The Climate Risk and Vulnerability Assessment spreadsheet also captures the specifics of the risk, as it relates to the city and the Council's services, and the actions already being taken to mitigate the impacts and possible future actions that have been identified as part of the process. The full assessment and plan can be viewed on the Council's website:  
[www.cambridge.gov.uk/adapt-to-climate-change](http://www.cambridge.gov.uk/adapt-to-climate-change).
- 10.4 The council has taken forward a number of actions in 2023/24 to support Council services, residents and businesses to adapt to the impacts of climate change, including heatwaves, water shortages and flooding.
- 10.5 Action 6.5 - Exploring opportunities to manage climate risks through policies in the new Local Plan: While the development of new policy related to climate change adaptation has been delayed, officers continue to ensure that existing policy is applied to all new development, with issues related to climate change adaptation regularly discussed as part of the pre-application discussions, notably in relation to design led approaches to reducing overheating in new homes and

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<sup>12</sup> <https://localpartnerships.gov.uk/resources/climate-adaptation-toolkit/>

<sup>13</sup> UK Government's third Climate Change Risk Assessment - <https://assets.publishing.service.gov.uk/media/61e54d8f8fa8f505985ef3c7/climate-change-risk-assessment-2022.pdf>.



meeting the requirements of Part O, and issues related to the urban heat island effect. A number of schemes in Cambridge are now using the Urban Greening Factor to demonstrate the role of urban greening in helping to mitigate the risk of the urban heat island effect (Clarendon House and the Beehive Centre for example). In-house training has also been delivered by the Principal Sustainability Officer to planning officers and planning committee members on Part O.

10.6 Following a request from residents, in November 2023 the Greater Cambridge Shared Planning Service (GCSPS) arranged for a presentation on the Urban Heat Island<sup>14</sup> as part of one of the services regular Cambridge Residents Association Meetings. This was in response to concerns being raised about the impact of developments in Cambridge on worsening the urban heat island. The presentation, given by Professor Marialena Nikopoulou, Professor of Sustainable Architecture from the University of Kent, introduced the idea of the urban heat island and ways in which its impact can be mitigated. Following on from this presentation, further work to develop in house resources on the Urban Heat Island is planned for the coming year. A recording of the presentation is available at:  
<https://youtu.be/BdDbIq7Fhol?si=chFK8L2rqvYPbELv>.

10.7 Action 6.6 – Increasing the tree canopy cover through tree planting and protection on public and private land, and using parks, open spaces and other green infrastructure in the city to help regulate temperatures: We have continued to plant trees, which help support biodiversity and increase resilience to a changing climate by providing shade and cooling during hot weather. During 2023/ 24, we planted 519 individual trees in our streets and parks and gave 194 trees away to residents through our Free Trees for Babies scheme. Working with the Community Engagement Team we have held 8 public tree planting events to raise awareness of the importance of tree cover.

10.8 Cambridge City Council has continued the partnership with the charity 'Trees for Streets' to make it easier for residents to fund tree planting in

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<sup>14</sup> The increased temperature over urban areas compared to surrounding rural areas. It is called an island because in map view, it appears as though the urban area is an 'island' of heat in a colder 'sea' of the rural area surrounding it.

streets and parks across the city. Residents can choose to sponsor a 'Street Tree' outside their house or sponsor a 'Celebration Tree' in one of the parks or recreation grounds<sup>15</sup>.

10.9 In the summer, Cambridge can be one of the hottest places in the UK. The shade provided by urban trees is valuable, especially to pedestrians and cyclists. Increasing this tree-shade can improve people's wellbeing and encourage more active travel. We commissioned a report<sup>16</sup> to map tree shade in the city – it assessed shade at 8am, midday and 4pm. It also looked at opportunities to plant trees on public land and in adjacent private gardens. It recommends concentrating tree planting and protection efforts in areas with lower levels of tree-shade. The report found that roads with more council-managed street trees had higher levels of shade. This suggests that our management of these trees has increased the shade on these roads and future protection of street trees should increase it further.

10.10 In conjunction with the Project Team, Drainage Team and County Highways we are undertaking feasibility and design works to plant trees along Coleridge Rd in engineered tree pits. The main aims of this project are to enhance shade provision and sustainable drainage (SUDS) along this road. Once the design is complete, we will seek internal and external funding to construct and plant. We plan to use our learning this project and other non-SUDS tree pits, in conjunction with the tree shade report to develop a long strategy to deliver more engineered tree pits across the city. The project contributes to the Council's urban forest approach to managing tree cover in the City. The approach is based on 3 themes: sustainable management of our own asset (including enhancement), raising awareness of the importance of trees on privately owned lands to encourage sustainability and enhancement; and our statutory controls (though DM planning conditions, TPOs and conservation areas) to require sustainability and enhancement over privately owned tree canopy.

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<sup>15</sup> [www.cambridge.gov.uk/sponsor-a-tree](http://www.cambridge.gov.uk/sponsor-a-tree)

<sup>16</sup> [www.cambridge.gov.uk/media/h54nmxh0/mapping-tree-shade-in-cambridge.pdf](http://www.cambridge.gov.uk/media/h54nmxh0/mapping-tree-shade-in-cambridge.pdf)

10.11 As part of the City's urban forest approach to managing tree canopy cover, we have published a series of tree canopy and land use profiles on our Tree data - Cambridge City Council webpage. There is one for each ward and one for the city as a whole. The aim of this project was to understand tree canopy distribution, composition, structure and change at a granular geographical scale for each ward; to create baseline evidence from which to measure future change, and; to aid decision-makers and stakeholders about tree canopy at a local/ neighbourhood scale.

10.12 Over the last four years we have planted significantly more trees than usual as a result of grant funding from the Forestry Commission. The funding pays for the supply and planting of trees and 3 years watering. Forestry Commission grant funding is likely to finish this year which will result in a fall in tree numbers being planted next (we have budget for ~200 trees). There is no ring-fenced watering budget associated with our planting budget meaning we may have to plant even less (the budget is equivalent to 60 trees at FC rates) or expect increased rates of failure.

10.13 Action 6.9 - Delivering a measurable biodiversity net gain on the City Council's estate: The Council's strategic objectives in relation to biodiversity are set out in our Biodiversity Strategy<sup>17</sup>. During 2023/24, we carried out planned management and a number of projects to ensure designated sites and priority habitats are in good or favourable condition to act as corridors or stepping stones for species moving through the city. These projects will help increase resilience to a changing climate and contribute to the Cambridge Nature Network. We have continued to maximise the potential of our buildings, parks, open spaces, watercourses and tree stock to support biodiversity, whilst balancing their multifunctional needs. For example, we have:

- successfully planted over 130 metres of new native hedges in the Hedges for Kings Hedges Project
- increased the area of biodiversity managed grassland on our parks and verges

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<sup>17</sup> [Biodiversity Strategy 2022-2030 - Cambridge City Council](#)

- reduced cattle numbers on the commons and trialling the use of 'Nofence' collars<sup>18</sup> to improve conservation outcomes from grazing.

The Logan's Meadow LNR (Local Nature Reserve) wetland creation project was delayed due to an Anglian Water sewer issue and is now on track to be delivered in September 2024.

10.14 Action 6.11 - Implementing projects to manage water courses and improve biodiversity, including a project to improve rare chalk stream habitats in Cambridge: We have secured approval for enhancement work on Cherry Hinton brook, scheduled for autumn 2024 and enhancement works continued along Coldham's Brook in partnership with Abbey People. We have developed the project plan to deliver evidenced based case studies for the Combined Authority funded Greater Cambridge Chalk Streams project over the next two years.

10.15 Action 6.12 - Move to cease the use of herbicide on grass road verges and trial using a new grass cutting and collecting machine, which will reduce cuttings left on verges, reduce the fertility of the soil for wildlife and support biodiversity: Following an evaluation of the trial of the four herbicide free wards (Newham, Arbury, West Chesterton and Trumpington) and the herbicide free street scheme, a new weed control methodology, where herbicide use is discontinued in routine operations and limited to scenarios where viable alternatives are exhausted or no other alternative available, was approved at committee in March 2024 which will help to improve biodiversity, soil health and water quality. Vegetation growth will be managed through methods like mechanical sweeping and hand tools such as hoes and spades. Residents can also get involved by adopting their street through the Happy Bee Street scheme and volunteering to help manage unwanted weeds and plants on the pavement by hand.

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<sup>18</sup> virtual fencing system for grazing animals

## **11. Implications**

### **a) Financial Implications**

Funding for projects included in the Carbon Management Plan comes from a number of different funding sources, including the Council's Climate Change Fund and existing General Fund or Housing Revenue Account (HRA) budgets for delivering services. The Council plans to make further allocations to the Climate Change Fund to deliver Carbon Management Plan projects through the Council's annual budget setting process. The Council will also seek Government funding (e.g., from the Public Sector Decarbonisation Scheme) for projects in the Carbon Management Plan, as opportunities arise.

The actions contained in the wider Climate Change Strategy will be funded through primarily through existing budgets for delivering key services. These fall within the General Fund or the HRA depending on the services involved. We will also seek Government and other external funding sources for specific climate change initiatives, where this is available (e.g. from the Sustainable Warmth Scheme, Social Housing Decarbonisation Fund, Office for Zero Emissions Vehicles etc).

### **b) Staffing Implications**

Lead officers have been identified for projects in the Climate Change Strategy and Carbon Management Plan who have the capacity to deliver the projects within the stated timescales. The Climate Change Officers coordinate the overall delivery of the Climate Change Strategy and Carbon Management Plan, with support from the Environment Policy and Project Group, which is a corporate group that includes many of the lead officers.

### **c) Equality and Poverty Implications**

An Equalities Impact Assessment (EqIA) of the Climate Change Strategy and Carbon Management Plan has been carried out and is published on the Council's website: [www.cambridge.gov.uk/equality-impact-assessments](http://www.cambridge.gov.uk/equality-impact-assessments) The EqIA did not identify any negative equality impacts from actions and projects identified in the strategy.

### **d) Net Zero Carbon, Climate Change and Environmental Implications**

The Climate Change Strategy and the Carbon Management Plan will have

a high positive impact on the environment by setting out a planned approach to: reducing the Council's carbon emissions; setting high standards for residents, businesses and organisations to reduce their carbon emissions and manage climate risks; and working in partnership with, influencing and learning from other organisations to address the causes and effects of climate change.

**e) Procurement Implications**

Projects identified in the previous Carbon Management Plan have been delivered through the national REFIT 3 framework, which allowed us to access Bouygues Group PLC as a contractor to identify and deliver energy efficiency projects. The projects were delivered on an energy performance contracting basis, which meant that Bouygues guaranteed the energy savings predicted for the projects (subject to the new equipment being managed within defined limits). In April 2020, Cambridgeshire County Council led a consortium of local authorities, including Cambridge City Council to procure a partner for future energy efficiency and renewable energy schemes. Bouygues were appointed as the contractor through this process.

**f) Community Safety Implications**

The Climate Change Strategy and Carbon Management Plan have minimal impact on Community Safety.

**12. Consultation and communication considerations**

To inform the development of the Climate Change Strategy, we carried out: 5 online workshops in November 2020 attended by a total of 75 residents; an online consultation survey completed by 252 residents; a workshop with key businesses and institutions in Cambridge in January 2021; 3 Climate Change Forum meetings with local environmental groups; regular meetings with Cambridge Zero and other University of Cambridge and Anglia Ruskin University academics with climate change expertise.

The content of this report, and in particular the updated Action Plan, will be communicated to residents and businesses through a news release, articles in Cambridge Matters and made available on the council's website.

### **13. Background papers**

No background papers were used in the preparation of this report.

### **14. Appendices**

- Appendix A – Climate Change Strategy – Action Plan
- Appendix B – Carbon Management Plan - 2023/24

### **15. Inspection of papers**

To inspect the background papers or if you have a query on the report please contact Janet Fogg, Climate Change Officer, tel: 01223 457176, email:

[janet.fogg@cambridge.gov.uk](mailto:janet.fogg@cambridge.gov.uk)

## Appendix A – Climate Change Strategy – Action Plan

### Objective 1 Actions: Reducing carbon emissions from City Council buildings, land, vehicles and services

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
1.1	Deliver energy efficiency and renewable energy projects identified in the Council's Carbon Management Plan for 2021-2026 to reduce carbon emissions from corporate buildings (including swimming pools, sheltered and temporary housing, administrative buildings, car parks, community centres, the Corn Exchange and the crematorium).	<a href="mailto:Pawel.Goc@cambridge.gov.uk">Pawel.Goc@cambridge.gov.uk</a>	Officers throughout the council. Climate Change Fund.	2021/22 Projects completed - March 2022	2022-26 projects identified, funding identified / applied for and measures installed/ implemented - March 2026		Ongoing to March 2026	Net zero carbon emissions by 2030 for our corporate buildings
1.2	Bid for future central government funding and other green energy funding available for investments in energy efficiency and decarbonisation measures in the Council's corporate buildings	<a href="mailto:Pawel.Goc@cambridge.gov.uk">Pawel.Goc@cambridge.gov.uk</a>	Corporate Energy Manager within Asset Management Team	Identify and prepare information in preparation for future funding rounds - PSDS Funding Round 3C to Open Autumn 2023	Apply for PSDS round if appropriate project in Autumn 2023	Apply for PSDS or other funding round if appropriate   future years	Ongoing to March 2030	Reduce emissions in the Council's corporate buildings.
1.3	Review the Council's Office Accommodation Strategy, including an assessment of whether existing office buildings should be retained or rationalised	<a href="mailto:Paul.Boucher@cambridge.gov.uk">Paul.Boucher@cambridge.gov.uk</a>	A project manager is appointed and additional resource for a Senior Development Manager and consultancy support was approved in July 2023 with recruitment/procurement underway.	Prepare business case/project documentation to agree approach, identify requirements in line with Business Transformation programme, actions, outcomes and resource	Business case and resources approved and in place - January 2024	Report to Committee with recommendations – early 2024	Mar 2024 for approval to business case and approach	TBC



Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
				requirements. November 2023				
1.4	Purchase Ultra Low Emission Vehicles (ULEV) when replacing vans and trucks in the Council's fleet (where there is a suitable ULEV alternative and the infrastructure allows)	<a href="mailto:Peter.Birch@cambridge.gov.uk">Peter.Birch@cambridge.gov.uk</a>	General fund BSR	Project reliant on EV charging infrastructure 2024/25	Vehicle specifications agreed with end user April 2025 and ongoing	Delivery of vehicles to spec September 2025 and ongoing	Annually to 2030	4.39 ktCO <sub>2</sub>
1.5	Purchase ultra-low emission vehicles (electric or hydrogen) when replacing refuse lorries	<a href="mailto:Michael.Parsons@scams.gov.uk">Michael.Parsons@scams.gov.uk</a>	Mainstream budget	June 2022 vehicle 2 and September 2022 vehicle 3 commissioned	March 2025 vehicle 4 commissioned	March 29 vehicle 5,6,7 commissioned	Annually to 2029	6 vehicles commissioned by 2029
1.6	Identify and assess the required improvements possible to remaining existing commercial properties (that will not be redeveloped as part of the commercial property redevelopment programme) to achieve net zero carbon, and obtain costs estimates for the improvement works	<a href="mailto:Philip.Taylor@cambridge.gov.uk">Philip.Taylor@cambridge.gov.uk</a>	Property and Asset Management/Commercial Development teams will lead on this. Funding approved in July 2023 for additional resource for both commercial development and retrofit works to progress this.	An Asset Management Plan including meeting the Council's targets was approved in March 2023	Action plans for all properties to be prepared to identify prioritisation and asset management decisions for costed programme through to 2030 - November 2022 as set out in the Asset Management Plan.	Budget bids to be prepared for 2024/25 onwards for any costs not within existing allocated capital spend on commercial property - 2024/25 budget cycle	Annually through to 2030	TBC although savings may be to tenants in occupation
1.7	Identify and assess the performance standards to achieve net zero carbon for any new commercial buildings or redevelopment of existing buildings	<a href="mailto:Philip.Taylor@cambridge.gov.uk">Philip.Taylor@cambridge.gov.uk</a>	Existing staff resource in Property and Asset Management/Commercial Development teams and working with designers on a scheme-by-scheme basis will develop proposals / approach	The Asset Management Plan setting out proposed timescales was approved in March 2023	As and when redevelopment schemes are proposed as each scheme may differ depending upon use/type		Ongoing for duration of General Fund redevelopment programme	Ongoing as schemes come forward and each scheme will be reported to Committee

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
1.8	Consider the use of the Council's reserves to invest in innovative "green investments" to facilitate measures to offset climate change.	<a href="mailto:Jody.Etherington@cambridge.gov.uk">Jody.Etherington@cambridge.gov.uk</a>	General Fund Reserves	MTFS 2021 - will identify prudent minimum balance of reserves and the amount of reserves required to support the transformation programme. The balance would be available for investment.	MTFS 2022 - will identify prudent minimum balance of reserves and the amount of reserves required to support the transformation programme. The balance would be available for investment	N/A	As and when suitable green investments come forward for funding	N/A
1.9	Review standard tender packs to include the Council's expectations around climate change.	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Climate Change Officer	Instruction to Bidders document (which forms part of the Tender Pack) - Environmental Factors section reviewed and updated - August 2021.	Updated Environmental Factors section included in Instruction to Bidders document – August 2021		August 2021 and then reviewed annually	Reduce emissions from future council contracts.
1.10	Provide written guidance for contract managers on climate change measures that could be included in contracts and include this information in procurement and contract management training for staff.	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Climate Change Officer	Provision of guidance and inclusion in procurement and contract management training for staff - November 2021			November 2021 and then reviewed annually	Reduce emissions from future council contracts.
1.11	Explore the potential for a review of climate change and sustainability commitments by the Council's existing suppliers, and work with these suppliers to improve their performance.	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Climate Change Officer				Starting July and working through a programme	Reduce emissions from current council contracts.

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
1.12	Revise and update the existing Climate Change Assessment tool to include net zero carbon considerations and use this to assess the climate change impacts of budget bids, business cases for capital projects and committee reports	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Climate Change Officer	Tool updated and communicated to staff - August 2021			August 2021	

## Objective 2 Actions: Reducing energy consumption and emissions from homes and buildings in Cambridge

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
2.1	Investing £2.5 million in energy efficiency improvements to Council homes with poor energy efficiency ratings (predominantly Energy Performance Certificate D to G rated stock) from 2020/21 to 2021/22.	<a href="mailto:Will.Barfield@cambridge.gov.uk">Will.Barfield@cambridge.gov.uk</a>	Energy Assessor/surveyor role and part of Corporate Energy Manager time	August 2021 Phase 1 of works completed.	March 2022 completion of project	n/a	March 2022	To reach a minimum of EPC C (B where possible) in at least 140 Council Properties that are currently an EPC D or below. Can provide ktCO <sub>2</sub> on completion of post EPCs.
2.2	Building 1000 new homes to Passivhaus standard or equivalent low carbon standard (where technically feasible and subject to funding) and targeting net zero carbon standards for Council homes built from 2030 onwards.	<a href="mailto:Ross.Jones@cambridge.gov.uk">Ross.Jones@cambridge.gov.uk</a>	Housing Development Agency (HDA) project teams	Planning permission: Passivhaus pilot schemes - November to December 2021 for Fen Road, Ditton & Borrowdale. February 2023 for Aragon & Sackville. Equivalent standard schemes - Aylesborough February 2023. Fanshawe	Start on site: Passivhaus pilot schemes - Fen Road August 2022, Ditton & Borrowdale October 2022. Aragon & Sackville September 2023. Equivalent standard schemes - Aylesborough June 2023, Fanshawe	N/A	Practical completion: Passivhaus pilot schemes - Fen Road, Ditton & Borrowdale February 2024. Aragon & Sackville targeted October 2024. Equivalent standard schemes Aylesborough targeted October 2025, Fanshawe	To achieve Passivhaus Certification for 21 properties. To achieve equivalent sustainability standards measured using the Passivhaus Planning Package (PHPP) modelling on 'non-certified' schemes. To undertake TM54 Assessments of Operational Energy Use at design stage to review specification impacts on energy bills.
2.3	Promoting group-buying schemes, including working with Cambridgeshire County Council to promote the Solar Together collective scheme to homeowners, which provides residents with solar	<a href="mailto:Justin.Smith@cambridge.gov.uk">Justin.Smith@cambridge.gov.uk</a>	Environmental Projects Team Leader	First auction held in September 2020	A further round is being considered for later in 2021.	A second round of Solar Together was run in February 2022	Ongoing to March 2026	150 properties supported

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
	PV and battery storage installations at a significantly reduced cost							
2.4	Commissioning a study to identify measures needed to retrofit private homes in Cambridge to net zero carbon standards and producing detailed guidance for homeowners and landlords	<a href="mailto:David.Kidston@cambridge.gov.uk">David.Kidston@cambridge.gov.uk</a>	Allocated – Climate Change Research and Projects budget	Procurement completed and contract awarded – September 2021	Final report – December 2021	Guidance for homeowners and landlords – March 2022	March 2022	N/A
2.5	Bidding for central government funding available for retrofitting energy efficiency measures to private homes, including future rounds of the Green Homes Grant Local Authority Delivery (LAD) scheme.	<a href="mailto:Justin.Smith@cambridge.gov.uk">Justin.Smith@cambridge.gov.uk</a>	Environmental Projects Team Leader & Project Officer recruited from funding.	October 2021 - Cambridgeshire local authority consortium LAD3 and HUG1 bid is successful Consortium delivering £6.46m of support from April 2022 – March 2023 under the Sustainable Warmth Scheme.	March 2023 – Sustainable Warmth scheme managed closure agreed to extend delivery of signed up jobs	March 2023 - Cambridgeshire local authority consortium awarded £11.5m of HUG2 funding. A Delivery Assurance Check passed in May 2023 to allow delivery to start	Ongoing, dependent on funding	50 properties to be supported through funding each year in Cambridge
2.6	Targeted enforcement of Minimum Energy Efficiency Standards Regulations where appropriate (EPC F and G rated private rented housing stock)	<a href="mailto:Claire.Adelizzi@cambridge.gov.uk">Claire.Adelizzi@cambridge.gov.uk</a>	Existing Team staff resources	2021 / 22 - 150 MEES interventions any follow up action taken in line with Regulations, officer procedure & corporate enforcement policy.	Milestone 1 rolled over for action / completion within 2022/23		Ongoing review milestones end 2022/23	2022/23 - targeted intervention in relation to 150 private rented sector properties and seeking to improve energy efficiency standards of these.

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
2.7	Developing new policies requiring high standards on carbon emissions reduction and environmental sustainability for new homes and non-residential developments as part of the new Greater Cambridge Local Plan, taking into account the outcomes of the net zero evidence base study and other evidence informing the plan, as well as the national planning policy framework	<a href="mailto:Emma.Davies@greatercambridgeregion.org">Emma.Davies@greatercambridgeregion.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeregion.org">Jonathan.Dixon@greatercambridgeregion.org</a>	Existing Greater Cambridge Shared Planning Service budgets	Autumn 2021 - consultation on preferred options including policies related to net zero carbon buildings	Achieve Gateway 1 of the new plan making system by autumn/winter 2025	TBC	Following examination	All new homes/non-residential buildings to meet the net zero carbon buildings requirements set out in the new Local Plan
2.8	Building control retrofit advice	<a href="mailto:Steve.Fulcher@3cshare.org">Steve.Fulcher@3cshare.org</a> / <a href="mailto:James.Chesher@3cshare.org">James.Chesher@3cshare.org</a>	Existing Team staff resources	A pilot will start in autumn 2021 to provide residents with retrofitting advice.	Team updated websites, adverts in both CCC and SCDC magazines. Email contact have been responded to with advice. Process in place for this.	Phase 2 – purchasing of thermal imaging cameras, template of advice for residents including signposting and images of properties	2023	For domestic projects (i.e. new homes, extensions and refurbishments) 60% utilising Council building control teams
2.9	Develop and deliver Net Zero Retrofit pilot to 50 Council homes	<a href="mailto:James.Purkiss@cambridge.gov.uk">James.Purkiss@cambridge.gov.uk</a>	Existing Team staff resources (dedicated Net Zero Retrofit Officer)	December 2022 – 50 homes were signed up to programme, project design kick off	September 2023 – project to receive planning, detailed design phase to be completed and be issued for tender	May 2024 - construction works to start	Spring 2025 (To be followed by extended monitoring and evaluation)	Net zero operational energy. Target space heat demand 25-50 kwh/m2/yr (existing homes are between 210-325 kwh/m2/yr)

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
2.10	<p>Deliver External Wall Insulation (EWI) to 289 solid-walled Council homes, of which 185 are part-funded by Social Housing Decarbonisation Fund (SHDF) Wave 2.1 grant</p> <p>The work will take a street-by-street approach to retrofitting council homes to a minimum of EPC C. Works will include EWI, and where required loft insulation and replacement of glazing at end of life with new triple glazing.</p>	<a href="mailto:Will.Barfield@cambridge.gov.uk">Will.Barfield@cambridge.gov.uk</a> / <a href="mailto:James.Purkiss@cambridge.gov.uk">James.Purkiss@cambridge.gov.uk</a>	<p>Existing Team staff resources, includes hiring additional Retrofit Project Manager, Retrofit Project Officer and Retrofit Project Assistant for 2 years</p>	<p>April 2023 – commencement of works to first 44 homes using an existing contract</p>	<p>November 2023 – sign contract for second phase of works to 245 homes</p>	<p>March – September 2025 – completion of programme, monitoring to take place over winter period</p>	<p>2025</p>	<p>Minimum EPC C – in line with 2035 council target</p>

### Objective 3 Actions: Reducing carbon emissions from transport in Cambridge

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
3.1	<p>Supporting the Greater Cambridge Partnership (GCP) to deliver a range of walking, cycling and bus improvements on key routes into and across Cambridge, including:</p> <ul style="list-style-type: none"> <li>• The Chisholm Trail cycling route connecting Cambridge and Cambridge North Stations</li> <li>• 12 Greenways, providing radial cycling and walking routes connecting Cambridge and surrounding settlements and employment sites.</li> <li>• Bus, cycling and walking priority schemes on Histon Road and Milton Road</li> <li>• Public transport corridor schemes to connect growing communities to employment hubs</li> </ul>	<a href="mailto:Isobel.Walde@camb.ridgeshire.gov.uk">Isobel.Walde@camb.ridgeshire.gov.uk</a>	GCP Officer time, CCC support where required	Completion of initial projects, Histon Road and Chisholm Trail Phase 1 completed in late 2021	Approval of construction for Milton Road, Greenways and other cycling, walking and bus improvements by end of 2025	Construction of schemes ongoing to March 2026	Ongoing to March 2026	These schemes represent a significant increase in sustainable transport capacity that will support more people to walk, cycle or take public transport.
3.2	Implementing the Local Lettings Plan framework for new Council housing developments, which will give priority to people working within an agreed geographical radius of the development. This measure is intended to help reduce commuting by car from tenants of new Council housing developments	<a href="mailto:Helen.Red@camb.ridge.gov.uk">Helen.Red@camb.ridge.gov.uk</a>	Existing staff resources	<a href="#">Darwin Green Local Lettings Plan developed as a pilot – published May/June 2021</a>	Consultation with Registered Providers (RPs) of social housing on wider framework by December 2021	Publication by March 2022	August 2022, then ongoing	10% of homes on strategic sites to be prioritised for applicants living within an agreed radius of the development; and 5% on non-strategic sites



Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
3.3	Building new Council housing developments in Cambridge with a target of less than one car parking space per home to encourage sustainable travel subject to individual development requirements and to provide electrical vehicle charging facilities.	<a href="mailto:Ross.Jones@cambridge.gov.uk">Ross.Jones@cambridge.gov.uk</a>	Existing staff resources	New sustainable housing design guide to include car parking ratios	New sustainable design guide issued – Summer 2021	Review of car parking on delivered schemes April 2023 to March 2024	Ongoing	Parking spaces per home & number of electric vehicle charging points
3.4	Promote sustainable modes of transport through the planning system by: <ul style="list-style-type: none"> <li>• Applying policies in the current Local Plan to support housing and non-residential development which prioritises access by walking, cycling and public transport.</li> <li>• Develop new policies related to promoting sustainable transport and ensure that the accessibility of new development sites to sustainable transport infrastructure is a key aspect in decision making in preparing the Greater Cambridge Local Plan.</li> </ul>	<a href="mailto:Emma.Davies@greatercambridgeplanning.org">Emma.Davies@greatercambridgeplanning.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeplanning.org">Jonathan.Dixon@greatercambridgeplanning.org</a>	Existing services budgets (note that for planning applications, advice related to sustainable transport is led by Cambridgeshire County Council)	Autumn 2021 - consultation on preferred options including policies related to sustainable transport	Achieve Gateway 1 of the new plan making system by autumn/winter 2025		Following examination	Sustainable transport policies identified in new Local Plan implemented in new developments
3.5	Developing and undertaking a programme of activities in the city to promote walking, cycling and the use of public transport across a range of settings and communities (through Council funding for active travel and the Active Lifestyles Team). This will support and complement parallel	<a href="mailto:Alistair.Wilson@cambridge.gov.uk">Alistair.Wilson@cambridge.gov.uk</a> / <a href="mailto:Ian.Ross@cambridge.gov.uk">Ian.Ross@cambridge.gov.uk</a>	The former Active Travel Officer (vacant) is no longer intended to be recruited to, with the role and main responsibilities	The Council's programme of promotional grants for walking, cycling and active travel has been revisited with updated	Consultation paper on changes within City Services group management structure published. Complete – July 2023.	Consultation paper on OC2 (Organisational Change 2) structural changes within City Services	From 2021 onwards.	Formal transformation changes to City Services, and Communities, groups expected to be embedded

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
	work stream being delivered via partner organisations including the County Council, Combined Authority, GCP and voluntary sector.		absorbed within the wider Streets & Open Spaces Development Unit team. Programme of activities promoting walking, cycling and use of public transport will be developed and undertaken working across the Council.	publicity communications , web page and process for inviting and considering applications. Complete – July 2023.		published – anticipated from April 2024. This will help inform how the Council supports and resources active travel promotional work in the years ahead.		during 2024.
3.6	Encouraging attendees and contractors at Council run events, including the Cambridge Folk Festival and Corn Exchange, to consider more sustainable transport options when travelling to events, and working with the County Council transport team to ensure the city evening economy is served by sufficient bus transport taking people back out to outlying towns and villages.	<a href="mailto:Frances.Alderton@cambridge.gov.uk">Frances.Alderton@cambridge.gov.uk</a> / <a href="mailto:Rebecca.Stewart@cambridge.gov.uk">Rebecca.Stewart@cambridge.gov.uk</a>	Existing budget and staff resources.	Oct 21 and ongoing - Devise and implement a marketing campaign within the event marketing to communicate sustainable transport options.	Oct 21 and ongoing - Establish a joint marketing and services with Stagecoach and other public transport providers i.e. Shuttlebus from the station to Big Weekend.	Increase cycle parking at Bonfire Night and Big Weekend.	Ongoing to March 2026	
3.7	Completing installation of 18 rapid and 3 fast electric charge points for taxis in Cambridge by 2021	<a href="mailto:Jo.Dicks@cambridge.gov.uk">Jo.Dicks@cambridge.gov.uk</a>	£100k City Capital; £100k GCP capital; £426k OLEV Grant Funding	Four Sites (8 Rapids by March 2019) Completed	Remaining 13 Chargers installed by end of December 2021 (4 of 13 are installed and operating)	19 will be completed due to cost over-run and delays.	September 2024	

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
3.8	Requiring all new taxis registered in Cambridge to be Ultra Low Emission Vehicles (ULEVs) or zero emissions vehicles from 2020, and all taxis to be ULEVs or zero emissions vehicles by 2028	<a href="mailto:Jo.Dicks@cambridge.gov.uk">Jo.Dicks@cambridge.gov.uk</a>	Early adopter fee waiver budget of £150k, all other costs within normal revenue	Policy adopted: June 2019 and implemented from 1st April 2020.	Disabled-access taxis to be reviewed in 2026.	All Licensed Taxis ULEV by 31st December 2028.	2028	
3.9	Using guidance in the Sustainable Design and Construction Supplementary Planning Document to require provision of electric vehicle charging points in future new housing and non-residential developments and consider the need for new policies in the Greater Cambridge Local Plan to support the electrification of transport.	<a href="mailto:Emma.Davies@greatercambridgeplanning.org">Emma.Davies@greatercambridgeplanning.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeplanning.org">Jonathan.Dixon@greatercambridgeplanning.org</a>	Existing staff resources from Greater Cambridge Shared Planning Service (GCSP) and Environmental Health	Autumn 2021 - consultation on preferred options including policies related to EV charge point provision	Achieve Gateway 1 of the new plan making system by autumn/winter 2025		Ongoing	Every new development has the amount of charge points as set out in the SPD
3.10	Delivery of electric vehicle charging infrastructure in Council car parks through a commercial partner	<a href="mailto:Sean.Cleary@cambridge.gov.uk">Sean.Cleary@cambridge.gov.uk</a>	Net zero capex/opex for the Council solution	Award of contract Sept/Oct 21	First installation completed in August 2023		December 2030	
3.11	Working with Cambridgeshire County Council and UK Power Networks to facilitate on-street residential electric charge points where there is no scope for off-street charging. 3 initial pilot schemes for 'charging collectives' will be procured during 2021.	<a href="mailto:Jo.Dicks@cambridge.gov.uk">Jo.Dicks@cambridge.gov.uk</a>	£100K City Council Capital allocation; £119k OZEV ORCS Funding; £ 1 million+ UKPN Green Recovery Fund	Funding Secured from UKPN and OZEV completed in June 2021	Procure contractor for supply, installation, running, maintenance of charge points. (BP Chargemaster Pulse awarded July 2021)	All 42 on street charging points for public use have been installed by August 2023	August 2023	

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
3.12	Working with Cambridgeshire County Council and the CPCA on a wider electric vehicle charging strategy.	<a href="mailto:Jo.Dicks@cambridges.gov.uk">Jo.Dicks@cambridges.gov.uk</a>					Ongoing – being led by the CPCA	
3.13	Working with GCP and bus operators to explore opportunities for further investment in electric buses.	<a href="mailto:Jo.Dicks@cambridges.gov.uk">Jo.Dicks@cambridges.gov.uk</a> / <a href="mailto:Isobel.Walde@cambridgeshire.gov.uk">Isobel.Walde@cambridgeshire.gov.uk</a>	City, GCP and CPCA officer time	February 2020 – launch of electric bus trial	August 2021 – CPCA submission of bid for DfT ZEBRA funding for 30 additional electric buses	Deployment of additional buses from early 2023	Ongoing - awaiting a new round of ZEBRA (Zero Emission Bus Regional Area) funding from Central Government	Reduction in carbon emissions in Cambridge as a result of reduced diesel fuel consumption by buses

## Objective 4 Actions: Reducing consumption of resources, reducing waste, and increasing recycling in Cambridge

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
4.1	Funding activities through the Council's Sustainable City Grants by voluntary and community groups to reduce consumption and increase repair, re-use and recycling	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Climate change Officer - assessment of applications for funding from the Sustainable City Grant (SCG) and Grants Team officers - administration of grants process.	Applications for the 2022/23 SCG are assessed, and funding agreements finalised.	Applications for the 2023/24 SCG are assessed, and funding agreements finalised.	Applications for the 2024/25 SCG are assessed, and funding agreements finalised.	Annually	Reduction in emissions in the city as a result of reduced energy consumption, waste or reduced transport powered by fossil fuels.
4.2	Supporting the national Refill campaign by promoting over 100 free drinking water taps in Cambridge, including a number of drinking taps and fountains provided by the Council.	<a href="mailto:Alistair.Wilson@cambridge.gov.uk">Alistair.Wilson@cambridge.gov.uk</a>	Within existing staff resource and use of S106 monies (when appropriate)	Web site and Web App presence. <a href="http://www.refill.org.uk/refill-cambridge/">www.refill.org.uk/refill-cambridge/</a>	Additional water fountains installed.		Ongoing	
4.3	Reducing plastics usage at Council-run events such as Cambridge Folk Festival and the Big Weekend	<a href="mailto:Frances.Alde@cambridge.gov.uk">Frances.Alde@cambridge.gov.uk</a> / <a href="mailto:Rebecca.Stewart@cambridge.gov.uk">Rebecca.Stewart@cambridge.gov.uk</a>	Within existing budgets and staff resource	Oct 21 - Require caterers to not use single use plastics or plastic condiment sachet	Dec 2021 - Devise and implement influencing campaign to influence other departments and contractors	Jun 2022 - implement analysis of each event (by section) to provide quantitative data to measure against	Ongoing	
4.4	Maintain trials of separate collections of food waste to approximately 10k households (evidence to	<a href="mailto:Dee.Wood@scambs.gov.uk">Dee.Wood@scambs.gov.uk</a>	Within existing budget and, in the future, internal funding to be	December 2020 – phase 2 of trial implemented to make 4,000 HH	December 2021 – phase 3 of trial implemented to add a further	By March 2023 – total of 9,205 HH across the GCSWS area	March 2023	Reduction of amount of food waste in the black bin,

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
	date suggests this increases recycling of food waste and ultimately reduces the amount of household food waste).		sought for 2022-2025, central government funding should be available in 2025	on trial in total	5,000 on the trial	were served by the trial. 2025 – outcome of national waste strategy to guide future development		currently 30% as confirmed by Waste analysis
4.5	Continue communications campaigns as documented in Circular Resource Strategy to encourage residents to recycle more, generate less waste and contaminate less. Using communications channels such as events, social media, leaflets and residents' magazines	<a href="mailto:Rebecca.WeymouthWood@scambs.gov.uk">Rebecca.WeymouthWood@scambs.gov.uk</a>	Within existing budget	May 2022- social media messages delivered on The Big Plastic Count campaign. June 2022- social media messages delivered on World Oceans Day, World Environment Day and World Refill Day	March 2023- deliver a contamination campaign to target households that regularly contaminate bins	Sept 2024- ensure communication and re: battery and electrical recycling is completed. Q3 2024 plan month of promotion on waste prevention circular resources campaign linked to zero waste September etc.	Ongoing	Recycling rate 52% Contamination rate below 7%
4.6	Encouraging businesses to take-up recycling and food-waste collections provided by the Council on a commercial basis	<a href="mailto:Rebecca.WeymouthWood@scambs.gov.uk">Rebecca.WeymouthWood@scambs.gov.uk</a>	Within existing budgets	2022 – 148 total business customers in 2022	2023 – 174 total business customers in 2023 number of new customers of proceeding year	April 2024- number of new customers of proceeding year	Ongoing	60 per year
4.7	Review outcome of national waste strategy and Environment Act and impact of packaging production	<a href="mailto:Rebecca.WeymouthWood@scambs.gov.uk">Rebecca.WeymouthWood@scambs.gov.uk</a>	Within existing budgets	December 2024 - review outcome of national waste strategy and impact of packaging production	May 2024- attend briefing by DEFRA	Implement Food Waste collections by April 2026 and respond to other DRA EPR legislation	Ongoing	Delivery of new Food waste collections by 2026

## Objective 5 Actions: Promoting sustainable food

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
5.1	Incorporating sustainable food principles in council catering and at Council-run events where possible	<a href="mailto:Graham.Saint@cambridge.gov.uk">Graham.Saint@cambridge.gov.uk</a>	This is dependent of food providers at council run events that are directed by the fair terms and conditions set out in council licenses and contracts.	Contracts and licenses are continually being reviewed to incorporate sustainable food principles, where possible, within the legal frameworks that apply.			Ongoing	
5.2	Work in partnership with local voluntary and community groups to address food poverty, including working with Cambridge Food Poverty Alliance and Cambridge Sustainable Food to develop a food re-distribution hub	<a href="mailto:Graham.Saint@cambridge.gov.uk">Graham.Saint@cambridge.gov.uk</a> / <a href="mailto:Vicky.haywood@cambridge.gov.uk">Vicky.haywood@cambridge.gov.uk</a>	a) use of Cambridgeshire County Council funds to support fuel/food poverty projects b) £100K capital funds allocated for redistribution hub c) Staffing resourced through community services baseline budget	August 2021: £30K (county funding) redistributed to voluntary organisations for summer holiday, food/fuel poverty programmes	Redistribution hub moves from temp home at Buchan St prior to premises demolition	Work on sustainable business plan for project beyond life of council funding - Present to Sept 2023	Re-distribution hub re-locates on/before Autumn 2022	
5.3	Supporting the work of local Community Food Hubs to provide free, sustainable food to residents affected by the Covid-19 pandemic	<a href="mailto:Vicky.haywood@cambridge.gov.uk">Vicky.haywood@cambridge.gov.uk</a>	Staffing resourced through community services baseline budget. Funding provided through Covid funding streams	Funding provided to: CECF /CSF/Foodbank to support emergency food/pandemic recovery	8x food hubs working together with food poverty alliance to agree next steps Oct 2022	Review emergency food parcel provision post pandemic June 2022	Ongoing	

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
5.4	Working with the Cambridge Sustainable Food Partnership towards achieving the Sustainable Food Cities Network Gold Award for Cambridge.	<a href="mailto:Graham.Saint@cambridge.gov.uk">Graham.Saint@cambridge.gov.uk</a>	CSF CIC has provided resources in terms of officer time to assemble and submit applications. Partners to contribute actions.	The Silver Award was assigned by Sustainable Food Places to Cambridge City on 2 July. Work has begun to prepare an outline submission for Gold Award - launched in May 2022.	Prepare a submission of interest for Gold Award for the city by the end of December 2023.	Final application for Gold Award submitted by March 2024.	June 2024	Gold Award achieved in June 2024
5.5	Encouraging residents to choose sustainable, local food and to reduce meat consumption through corporate communications messages	<a href="mailto:Danette.OHara@cambridge.gov.uk">Danette.OHara@cambridge.gov.uk</a>	Existing staff resource	Communications prepared to coincide with COP26 in November 2021	Communications prepared to coincide with upcoming national awareness days: Food Waste Action Week (March 2022) and National Vegetarian Week (May 2022)	Communications prepared to coincide with upcoming national awareness days: Veganuary January (2025 and 2026), Food Waste Action Week (March 2025), Stop Food Waste Day (April 2025) and National Vegetarian Week, World Vegetarian Day and World Food Day (October 2024 and 2025)	Ongoing to March 2026	Ongoing



Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
5.6	Maintaining the current level of occupancy rates at existing allotments and supporting take-up of new community gardens and allotments in growth sites to encourage residents to grow their own food	<a href="mailto:Alistair.Wilson@cambridge.gov.uk">Alistair.Wilson@cambridge.gov.uk</a>	Existing staff resource	Regular inspections for non-cultivation, followed by enforcement leading to termination so plots can be allocated to those on the waiting lists	Allocation of new and existing plots as soon as they are made available		Ongoing	Ongoing
5.7	Using guidance in the Sustainable Design and Construction Supplementary Planning Document (SPD) to encourage developers to incorporate food growing in new housing and non-residential development (e.g. providing fruit trees, roof top gardens and growing space as part of landscape design)	<a href="mailto:Emma.Davies@greatercambridgeplanning.org">Emma.Davies@greatercambridgeplanning.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeplanning.org">Jonathan.Dixon@greatercambridgeplanning.org</a>	Existing service budgets				Ongoing until new Greater Cambridge Local Plan comes into force	
5.8	Working with local voluntary and community groups and other partners to promote sustainable food practices to local businesses	<a href="mailto:Janet.Fogg@cambridge.gov.uk">Janet.Fogg@cambridge.gov.uk</a>	Use of Sustainable City Grant to fund activities	Projects funded for delivery in 2022/23	Projects funded for delivery in 2023/24	Projects funded for delivery in 2024/25	Ongoing to March 2026	Ongoing (annually through Sustainable City Grants)

## Objective 6 Actions: Supporting Council services, residents and businesses to adapt to the impacts of climate change

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
6.1	Developing an Environmental Management System (EMS) for Environmental Services activity and seek ISO40001 accreditation. This will include a focus on reducing water consumption, potentially through reduce plant watering and sourcing water through rainwater harvesting systems for plant watering and public toilets.	<a href="mailto:Alistair.Wilson@cambridge.gov.uk">Alistair.Wilson@cambridge.gov.uk</a>	Existing staff resource	Audit and draft an EMS for S&OS.	Implement and carry out first assessment of EMS effectiveness	Modify EMA and seek achievement if accreditation to ISO 14001	March 2022	March 2022
6.2	Working with Cambridge Water to promote water saving messages to residents and businesses	<a href="mailto:Danette.O'Hara@cambridge.gov.uk">Danette.O'Hara@cambridge.gov.uk</a>	Existing staff resource	Communications prepared to coincide with upcoming national awareness days	To promote water savings and reductions through social media on World Water Day (March 2025) and Water Saving Week (May 2025)		Ongoing to March 2026	Water consumption of homes and businesses reduced
6.3	Promoting the use of council pools/ paddling pools/ splash pads in the event of hosepipe bans in conjunction with the local water company, to encourage residents to utilise council facilities instead of using water to fill up garden paddling pools etc.	<a href="mailto:Ian.Ross@cambridge.gov.uk">Ian.Ross@cambridge.gov.uk</a>	Social media and web-based messaging.	This action will only be implemented if there is a hosepipe ban and will come into actioning then	N/A	N/A	N/A	Ongoing

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
6.4	Requiring new housing to meet the water efficiency standards in the current Local Plan (maximum of 110 litres/person/day) and explore where higher standards may be needed in the new Local Plan.	<a href="mailto:Emma.Davies@greatercambridgeplanning.org">Emma.Davies@greatercambridgeplanning.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeplanning.org">Jonathan.Dixon@greatercambridgeplanning.org</a>	Existing service budgets	Autumn 2021 - consultation on preferred options including options related to enhanced levels of water efficiency	Achieve Gateway 1 of the new plan making system by autumn/winter 2025		Ongoing until adoption of the Greater Cambridge Local Plan	All housing developments to achieve 110 litres/person/day. All non-residential developments to achieve 5 BREEAM Wat01 credits.
6.5	Exploring opportunities to manage climate risks through policies in the new Local Plan, subject to the outcomes of the current national consultation on planning reforms. This could include water efficiency policies to help reduce water consumption and manage water resources; designing buildings that are simple to keep cool; and Sustainable Drainage Systems (SUDs) measures to help reduce flood risk.	<a href="mailto:Emma.Davies@greatercambridgeplanning.org">Emma.Davies@greatercambridgeplanning.org</a> / <a href="mailto:Jonathan.Dixon@greatercambridgeplanning.org">Jonathan.Dixon@greatercambridgeplanning.org</a>	Existing service budgets	Autumn 2021 - consultation on preferred options including options related to designing for a changing climate and flood risk and sustainable drainage	Achieve Gateway 1 of the new plan making system by autumn/winter 2025	TBC	Following examination	
6.6	Increasing the tree canopy cover through tree planting and protection on public and private land, and using parks, open spaces and other green infrastructure in the city to help regulate temperatures.	<a href="mailto:Matthew.Magrath@cambridge.gov.uk">Matthew.Magrath@cambridge.gov.uk</a>	Existing service budgets and grant funding (e.g. Urban Tree Challenge, Local Authority Treescape Fund, Interreg 2 Seas)	Complete our commitments to the Nature Smart Cities across the 2 Seas project – extended to March 2023 (completed)	New tree strategy. 2026	2% increase in tree canopy cover. 2050	2050	330.3 tCO <sub>2</sub>

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
6.7	Providing advice to residents on how to reduce health risks during heatwaves	<a href="mailto:Danette.OHara@cambridge.gov.uk">Danette.OHara@cambridge.gov.uk</a>	Existing staff resources	Communications prepared to coincide with summer / usual heatwave periods			Ongoing to March 2026	Increased awareness of health risks during heatwaves
6.8	Working with Cambridgeshire County Council and other partners in the Cambridgeshire & Peterborough Flood and Water Management Group (CP FloW) to manage climate change-related flood risks.	<a href="mailto:Rachel.veysey@cambridge.gov.uk">Rachel.veysey@cambridge.gov.uk</a>	Existing staff resources	Continuing to work with the partnership including inputting into the local flood risk management strategy action plan – October 2021 deadline for review of the most recent draft	Local flood risk management strategy action plan approval due-December 2021	Action plan approved 2022	Objectives to delivered by 2027	
6.9	Delivering a measurable biodiversity net gain on the City Council's estate through enhanced management of existing Local Nature Reserves and making parks and housing open spaces more hospitable to wildlife through creation of meadows, scrub and woodland.	<a href="mailto:Guy.Belcher@cambridge.gov.uk">Guy.Belcher@cambridge.gov.uk</a>	Adoption and implementation of new Biodiversity Strategy and Action Plan-existing revenue budgets, S106 and EIP projects.	Review LNR management plans 2023 - 2026			Ongoing	Measurable biodiversity net gain on the City Council's estate
6.10	Engaging and influencing individuals, institutions and businesses to take steps to make their land more hospitable and permeable to wildlife and help create a citywide network of sites.	<a href="mailto:Guy.Belcher@cambridge.gov.uk">Guy.Belcher@cambridge.gov.uk</a>	Adoption and implementation of new Biodiversity Strategy and Action Plan-existing revenue budgets, S106 and EIP projects.	Partner with Cambridge Conservation initiative on evidence based local projects and citizen science			Ongoing. Strategy through to 2030	Ongoing

Ref	Action	Officer	Resources	Milestone 1	Milestone 2	Milestone 3	Completion date	Target
6.11	Implementing projects to manage water courses and improve biodiversity, including a project to improve rare chalk stream habitats in Cambridge. Initial work will focus on Cherry Hinton Brook, Vicars Brook at Coe Fen, and Coldham's Brook on Stourbridge Common.	<a href="mailto:Guy.Belcher@cambridge.gov.uk">Guy.Belcher@cambridge.gov.uk</a>	Existing Drainage revenue, EIP and S106. Combined Authority Grant. Additional external grants e.g. Anglian Water Get River Positive, OFWAT, Cambridge Water, Natural England and Environment Agency	August 2023 - CPO Sign off of Greater Cambridge Chalk Stream Project	September 2023 - Creation of external partner stakeholder group	Stakeholder and technical workshops to understand opportunities and constraints and priority action	March 2026	Under development
6.12	Move to cease the use of herbicide on grass road verges and trial using a new grass cutting and collecting machine, which will reduce cuttings left on verges, reduce the fertility of the soil for wildlife and support biodiversity.	<a href="mailto:Alistair.Wilson@cambridge.gov.uk">Alistair.Wilson@cambridge.gov.uk</a>	New resource secured on a temporary contract	Scope the use of a Trial following the Council Motion on the 22 July 2021.	Report to Committee in late 2021 or early 2022	Trial underway in agreed locations Spring 2022	March 2022	January 2023 Review of trial from 2022

## Appendix B – Carbon Management Plan projects

2023-24 Projects	Cost	Climate Change Fund contribution	Contribution from other sources	Estimated annual energy savings (kWh)	Estimated annual carbon savings (tCO <sub>2</sub> e)	Estimated annual financial savings	Financial payback	LATEST UPDATE ON PROJECT AS OF AUGUST 2024
<b>STREETLIGHTING</b>								
Streetlighting: Replacement of remaining HRA streetlamp columns and lanterns with LED units. Estimated 63% reduction on the baseline.	£513,826.00	-	£513,826.00	97,925	27.2	TBC	TBC	Completed: Replacement works started in September 2022 to upgrade lanterns and columns and was completed by March 2024.
<b>FLEET</b>								
Shared Waste Service: Purchase of 5 further electric Refuse Collection Vehicles (RCV) for use across the service.	TBC	-	TBC	TBC	TBC	TBC	TBC	In Progress: The third electric Refuse Collection Vehicle (eRCV) was delivered in July 2023.

<b>ADMINISTRATION BUILDINGS2024-25 Projects</b>	<b>Cost</b>	<b>Climate Change Fund contribution</b>	<b>Contribution from other sources</b>	<b>Estimated annual energy savings (kWh)</b>	<b>Estimated annual carbon savings (tCO<sub>2</sub>e)</b>	<b>Estimated annual financial savings</b>	<b>Financial payback</b>	<b>LATEST UPDATE ON PROJECT AS OF AUGUST 2024</b>
<b>FLEET</b>								
Shared Waste Service: Purchase of 5 further electric Refuse Collection Vehicles (RCV) for use across the service.	TBC	-	TBC	TBC	TBC	TBC	TBC	In Progress: The fourth electric Refuse Collection Vehicle (eRCV), a Dennis eCollect, went into service in June 2024 on the inner-city trade waste collections.
<b>STREETLIGHTING</b>								
Communal lighting in blocks of flats: Replacement of communal lights within blocks of flats on housing estates with LED lamps and appropriate controls.	£651,735	-	-	TBC	TBC	TBC	TBC	In Progress: 10 sites were completed during 2022/23 as part of an ongoing five-year communal upgrade programme prioritising sites where emergency lighting has been identified as a requirement (£340,440). A further 3 sites will be completed in 2024/25 (£311,295).
<b>CREMATORIUM</b>								
Crematorium: HVAC improvements, BEMS, LED lighting, insulation.	Estimated: £39,902	-	£39,902	141,932	28	£4,327	9.2	Further Investigation Required: Ongoing. Part of comprehensive Head Decarbonisation Plan (please see below)

ADMINISTRATION BUILDINGS 2024-25 Projects	Cost	Climate Change Fund contribution	Contribution from other sources	Estimated annual energy savings (kWh)	Estimated annual carbon savings (tCO <sub>2</sub> e)	Estimated annual financial savings	Financial payback	LATEST UPDATE ON PROJECT AS OF AUGUST 2024
<b>Heat Decarbonisation Plan Phase A: Crematorium, Kelsey Kerridge Sports Centre (linked to Parkside Pool), Brown's Field Community Centre, Barnwell House and Trumpington Pavilion</b>								
Heat Decarbonisation Plan (HDP) and Feasibility Study with detailed proposal of low carbon solutions, capital cost, carbon/cost savings and a carbon projection over the next 20 years (including PSDS application support)	Estimated: £32,8252	£18,4252	£14,4002	Subject to outputs of HDP and feasibility study	Subject to outputs of HDP and feasibility study	Subject to outputs of HDP and feasibility study	Subject to outputs of HDP and feasibility study	Consultancy proposals reviewed and further investigation ongoing.