

## Climate Change Strategy actions delivered in 2018/19

### Actions to deliver Objective 1 - Reducing emissions from the City Council estate and operations

Activity	Service	Performance measures/outcomes	Progress	Expected completion date
1.1 Delivering new Carbon Management Plan for 2016-2021, which sets out 22 new projects to reduce energy and fuel consumption and carbon emissions from the City Council's estate and operations.	Corporate Strategy	Target of a 15% reduction in Greenhouse Gas emissions from the Council's estate and operations by 2021, measured against the 2014/15 emissions baseline	The Council's total gross greenhouse gas emissions for the financial year 1st April 2018 to 31st March 2019 were 6,011 tonnes of carbon dioxide equivalent (tCO <sub>2</sub> e). This is a reduction in emissions of 2,030 tCO <sub>2</sub> e from the 2014/15 baseline when the emissions total was 8,041 tCO <sub>2</sub> e. Our emissions have therefore reduced a further 8.4% in 2018/19 from 2017/18 (when the emissions total was 6,564) and overall have reduced by 25.2% from the 2014/15 baseline.	March 2021
	Estates and Facilities	Aspiration for a 20% reduction in Greenhouse Gas emissions from the Council's estate and operations by 2021, measured against the 2014/15 emissions baseline	The target and aspiration have been reached. Through the delivery of the projects detailed in the Council's Carbon Management Plan 2016-21 and the identification and installation of additional carbon reduction projects, the Council will build on the 25.2% reduction in carbon emissions achieved by March 2019.	
1.2 Ensuring that the City Council's Office Accommodation Strategy takes into consideration opportunities to reduce emissions from City Council office buildings. The Strategy will set out plans for consolidating and improving the Council's office accommodation in response to changing service needs and arrangements.	Property Services	Hobson House and Mill Road Depot vacated, and staff relocated to retained premises, new operational premises, or the premises of our partner organisations	Improvements to the Guildhall and Mandela House's environmental performance were undertaken as part of the Office Accommodation Strategy (OAS) works. These included: LED lighting with motion sensing control to both buildings; boiler and control improvements including building management system and more insulation to pipework at the Guildhall; Combined Heat and Power Plant at the Guildhall; condensing boiler installed at Mandela House; re-roofing including insulation at the Guildhall; and 30kw Solar PV array at the Guildhall. Initial assessments indicate significant CO <sub>2</sub> reductions, but we will need to monitoring this over a longer period of time.	June 2018
	Corporate Strategy			
1.3 Taking opportunities to improve the energy efficiency of commercial properties owned by the Council as they arise, and ensuring that where the Council invests in new properties, these have high energy efficiency	Property Services	All commercial properties acquired by the Council to have an EPC rating of C or higher	Property Services has completed the Commercial Property Energy Efficiency Plan. The plan aims to identify and make compliant all of our commercial property. The plan's approach is split into two main dates. Up to 21 March 2023, we aim to continue our compliance with the MEES (Minimum Energy Efficiency Standard) Regulations. While beyond 1 April 2023, we will have a costed plan to achieve at least the benchmarked EPC rating of typical existing stock for each	On-going from March 2016

ratings			property (which is information provided in each EPC). In order to inform the costed plan, we require draft EPCs on the remaining 114 properties that may require a certificate at a future date. We have undertaken a tender process for this work and assessed the quotes in terms of cost and timescale of completion. We have since instructed two EPC assessors to complete the first 73 of the 114 draft EPCs. We expect to have these completed by October 2019. One of the two assessors will then be instructed on the remaining 42 drafts depending on the service provided. It is our aim to have all drafts by the early 2020 to inform our action plan on energy efficiency upgrades.	
1.4 Exploring the potential for introducing Environmental Management Systems in key services and sites (e.g. Streets and Open Spaces)	Environmental Services	Business benefit of Environmental Management Systems assessed as part of wider work on business transformation	Completed There has not been the capacity to fully introduce an EMS system to address resource use by the service in 2018/19. Streets and Open Spaces have however identified areas of the service where they can make modifications and change to current working practice. These are reflected in the Street and Open Spaces Operational Plan for 2018/19 & 2019/20. Measures include: the introduction of a volunteer watering scheme for newly planted trees, which has reduced the need to use potable water; and a change in planting styles replacing annual bedding with perennial meadows in 19/20, which will reduce the use of composts, watering and transport costs. The Council is currently a partner in a European funded project (Intereg 2Seas) Nature Smart Cities, which is exploring and assessing the benefits of green infrastructure. This project shares best practice and will help determine a range of potential benefits from investment in green infrastructure for the City.	Completed - March 2017
		EMS introduced in Streets and Open Spaces service, subject to availability of external advice		March 2019
1.5 Implementing the Council's Employee Travel Plan, including promoting and incentivising alternative methods of transport for Council business, e.g. through provision of pool bikes, cycle mileage allowance, travel warrants for train travel, and access to car club vehicles	Finance	18 pool bikes provided	2 electric bikes have been added to the pool bike fleet available to be borrowed by staff at the Guildhall and Mandela House. There are now x22 pool bikes available for staff to borrow, across the council which have been renumbered: (x4 manual + x1 electric at the Guildhall, x4 manual + x1 electric at Mandela House, x1 manual + x2 electric at 130 Cowley Road, x1 at Cowley Depot, x2 manual at City Homes Office, x2 at Temporary Housing, x1 manual at City North Caretaking, and x3 for Streets and Open Spaces).	On-going to 2021
		4,619 business miles travelled by bicycle per annum	The cycle miles claimed through business mileage in 2018/19 by CCC employees was 2,868 miles	

		626 travel warrants issued for train travel per annum	The number of Trainline tickets purchased for use by staff during 2018/19 was x500.	
		45 members of staff are signed up for lift share scheme	Due to a low take-up, the council ended its membership with the lift share scheme in 2017/18.	
1.6 Reviewing the quick procurement guide for staff on sustainable procurement, and auditing a sample of contracts to check that they comply with the Council's Environmental Procurement Policies	Corporate Strategy	New quick procurement guide on sustainable procurement produced	All procurement guidance is currently under review and revision, including guidance on sustainable procurement. Under the Public services (Social Value) Act 2012, environmental factors have been included in the council's Invitation to Tender documents to ensure that all procurements consider the economic, social and environmental wellbeing of the city and the surrounding area.	On-going to 2021
	Procurement			
	Internal Audit	Audit of sample of contracts completed and actions identified and implemented by services		
1.7 Working with partners such as the University of Cambridge to develop partnership projects to reduce greenhouse gas emissions from our estates, such as exploring the potential for District Heating Schemes	Head of Estates & Facilities	Business case explored for developing a district heating scheme linking the University of Cambridge's New Museum site, the Corn Exchange and the Guildhall as part of Phase 3 of the New Museums Site redevelopment.	Following exploration of the business case, it was decided that it would not be economically viable for the Guildhall to be connected to the university's Combined Heat and Power System (CHP).	Completed - June 2017
	Planning			
		Reduction in energy consumption and carbon emissions in the Guildhall due to heat provided by district heating scheme, subject to viable business case and implementation of the scheme		

1.8 Working with partner Councils in shared service arrangements and new delivery bodies (e.g. the Tourism Destination Management Organisation) to ensure climate change and environmental sustainability considerations are addressed	Director of Business Transformation	Climate change and environmental sustainability considerations are addressed in shared service arrangements and new delivery bodies	<p>The project to consolidate and rationalise the server infrastructure across HDC, CCC and SCDC is close to completion (Aug 2019).</p> <p>The Council Anywhere project to replace desktop hardware with laptops across HDC, CCC and SCDC and to support flexible working is currently in deployment phase and is expected to be completed in early 2020.</p> <p>A project to procure and implement Hybrid Mail and other bulk printing requirements is underway, which will put in place a contract for HDC, CCC, SCDC and the Combined Authority during 2020. This will consolidate the printing and posting of any printed correspondence to reduce costs.</p>	On-going to March 2021
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<b>Actions to deliver Objective 2 - Reducing energy consumption and emissions from homes and businesses in Cambridge and tackling fuel poverty, by promoting energy efficiency measures, sustainable construction, renewable energy sources and behaviour change</b>				
<b>Activity</b>	<b>Service</b>	<b>Performance measures/outcomes</b>	<b>Progress</b>	<b>Expected completion date</b>
2.1 Supporting residents to improve the energy efficiency of their property through the Action on Energy scheme.	Environmental Services	Number of completed installs of domestic energy efficiency measures facilitated through Action on Energy	<p>There has been a significant lack of national funding and schemes available to support private sector energy efficiency improvements. However, we have agreed a joint countywide statement of intent that allows us to set Cambridgeshire specific qualifying criteria to distribute national Energy Company Obligation funding. The Action on Energy scheme will be used to target this funding in 2019/20, with the view to developing partnerships to assist with this approach.</p> <p>We also secured access to Warm Homes Funding and expect social housing providers to benefit from that funding in 2019/20.</p>	On-going to March 2021
2.2 Progressively improving the energy efficiency of harder-to-treat City Council homes, with the aim of bringing them up to at least a C-rating.	Estates and Facilities	Number of hard-to-treat City Council properties where energy efficiency ratings have been improved	The Council is maintaining a data base of EPCs for City Council homes. EPCs have been used to identify any loft insulation required in properties and a programme of loft insulation has targeted those with less than 100mm. The Council commissioned a programme of external wall insulation for properties that were currently rated D or lower. Thirty-seven houses had external wall insulation installed.	On-going to 2021

			Blocks of flats in Ainsdale and Tweedale had cavity wall insulation installed.	
		Number of City Council properties with an energy efficiency rating of C or above	The Council's EPC database shows that 1,977 properties have an energy efficiency rating of C or above (in 17/18 there were 1806 and in 16/17 there were 1,651). The current average EPC score across all properties is 71 (a C rating). This rating is higher than the average for domestic properties which is 60 (a D rating).	
2.3 Implementing the City Council's Fuel and Water Poverty Action Plan (linked to the Anti-Poverty Strategy), including:	Environmental Services	Number of residents in low income target areas taking up either energy or water saving measures	The work of the Fuel and Water Poverty Officer helped 228 households to install energy or water saving measures in 2018/19. 81 home visits were carried out throughout this period.	Ongoing to March 2021
Piloting water meters in a selection of 1 or 2 bedroom council-owned properties				
Developing a water conservation information leaflet for inclusion in welcome packs for tenants moving into council-owned properties and at City Homes offices		Number of residents in low income target areas taking up water meters or moving to an assessed rate	We are not able to access data from Cambridge Water and therefore cannot report on water meter uptake. We continue to provide support to encourage and promote the switch to water meters, applications to the assure tariff for low income residents, and support the adoption of water efficiency activity.	
Drop in sessions to distribute water and energy saving measures and provide information on energy efficiency measures to residents				
Targeted promotion to private landlords on the benefits of installing energy and water savings measures.				

2.4 Working with partners in Cambridge Retrofit to mobilise public and private finance for investment in large-scale retrofit of buildings and estates in Cambridge and promote exemplar projects and good practice	Environmental Services	Value of public and private finance invested in large scale retrofit of buildings in Cambridge Number of exemplar retrofit schemes delivered in Cambridge	This project is no longer live.	Completed
2.5 Commissioning voluntary and community groups to provide advice to businesses on reducing energy consumption and emissions as part of wider advice on sustainability	Corporate Strategy	Up to 15 businesses taking up advice on reducing their energy consumption and wider sustainability issues	<p>The Council hosted a free energy efficiency training session for small and medium sized businesses (SME) in September 2018 which was delivered by the Carbon Trust and Peterborough Environment City Trust (PECT), Business Energy Efficiency Cambridge and Peterborough programme (BEECP) which offers support in the form of a free energy review and grant funding. The Green Business Fund event aimed to help SMEs to save money on energy bills and apply for energy-related grant funding of up to £20,000. In March 2019, BEECP awarded a grant of £18,000 to Kelsey Kerridge Sports Centre to replace the main sports hall lighting with LED alternatives.</p> <p>Through the Council's Sustainable City Fund, which supports voluntary and community organisations to deliver activity to support the Council's Climate Change Strategy in the city, various projects have supported small businesses in the city to reduce their emissions:</p> <ul style="list-style-type: none"> <li>• SME food businesses were helped to monitor, measure and reduce their food waste and encouraged to reduce it through Cambridge Sustainable Food's award scheme: <a href="https://cambridgesustainablefood.org/pledge-award-scheme">https://cambridgesustainablefood.org/pledge-award-scheme</a></li> <li>• SMEs were helped to understand how to reduce the use of single-use plastics and choose more sustainable packaging at a workshop event delivered by the Cambridge Eco-Living Initiative.</li> </ul>	On-going to 2021
2.6 Encouraging landlords to improve the energy efficiency of their properties.	Environmental Services	Number of private landlords provided with assistance to improve the energy efficiency of their	Following the introduction of the minimum standards for energy efficiency (MEES) in the private rented sector, we are working on a Government funded trial with PECT and Peterborough City Council to identify what resources and	On-going to 2021

		properties.	support are required to allow Local Authorities to implement this new legislation. We are also currently in the process of seeking delegated authority from Cambridgeshire County Council to be able to enforce Energy Performance Certificates for properties, and identifying opportunities to target low rated properties in line with MEES Regulations. We are aiming to be in a position to enforce the new legislation from April 2020.	
2.7 Requiring new non-domestic properties to be constructed to BREEAM Excellent sustainability standards, through policies in the new Local Plan	Planning	Percentage of new non-domestic properties to constructed to BREEAM Excellent sustainability standards in Cambridge	2018/19: BREEAM 'excellent' achieved for 6 buildings BREEAM 'very good' achieved for 2 buildings Passivhaus has been put forward for 2 college schemes in the last 18 months.	On-going from the adoption of the new Local Plan in autumn 2018
2.8 Working with developers to deliver sustainable housing developments in Cambridge and promoting sustainable construction methodologies, including the new Home Quality Mark standard currently being developed by the Building Research Establishment (BRE) and the Council's own Sustainable Housing Specification once developed.	Housing Development Agency, Planning	Numbers of new homes delivered by private developers which meet the BRE's Home Quality Mark, the Council's Sustainable Housing Specification, or other sustainable construction methodologies	Sites with Legacy Code for Sustainable Homes requirements: 186 units at Eddington at Level 5 of the Code for Sustainable Homes.	On-going to March 2021
2.9 Working in partnership with social landlords, developers and architects through the Good Homes Alliance to share knowledge and learning on sustainable construction and promote the application of these principles in new developments in Cambridge.	Housing Development Agency, Planning	Successful engagement with partners in the Good Homes Alliance, including to inform development of Sustainable Housing Specification	Complete – The Housing Design Guide is now in use for HDA schemes. The Council remains a member of the Good Homes Alliance and is currently engaged in work to develop guidance for planners on overheating in new homes. We are also a member of the UK Green Building Council and are engaged in work on net zero carbon policy and the role of local planning authorities in setting sustainability standards for new developments.	Completed - March 2016

2.10 Constructing all new City Council homes and housing delivered with partners to a new Sustainable Housing Specification, incorporating the Good Homes Alliance standards, which seek to ensure homes which promote good health and wellbeing for residents, have proven performance and are low carbon	Planning	City Council Sustainable Housing Specification developed	City Council Sustainable Housing Design Guide is now adopted and is in use for Housing Development Agency (HAD) schemes	Completed – February 2017
	Housing Development Agency	Sustainable Housing specification applied to schemes delivered by the HDA.	<p>The Sustainable Housing Design Guide is included as part of the brief and contract for all City Council developed schemes. Developments at Anstey Way and Mill Road Depot are meeting the energy and water requirements of the Housing Design Guide, utilising the following measures:</p> <p>Mill Road Depot:</p> <ul style="list-style-type: none"> <li>• 19% improvement over current Building Regulations (so equivalent to Code Level 4 energy requirements). Fabric first approach, followed by the use of PV Panels and gas CHP, which were predicted to reduce emissions by 68,000 kg/CO2/annum</li> <li>• Provision of electric vehicle charging points, with all houses with garages having slow active charging points, a further 10 slow active charging points in the basement car park and 40 slow passive charging spaces (ducting and loading capacity provided) in the basement car park;</li> <li>• Provision of a dedicated car club space;</li> <li>• Cycle parking provision above adopted cycle parking standards;</li> <li>• Mechanical Ventilation with Heat Recovery</li> <li>• Overheating analysis undertaken using the latest CIBSE methodology as required by the Design Guide</li> </ul> <p>Mill Road Depot Phase 2:</p> <ul style="list-style-type: none"> <li>• Achievement of BREEAM excellent for the new community centre;</li> <li>• The use of mechanical ventilation with heat recovery, with units including a summer bypass mode;</li> <li>• The use of water efficiency measures to achieve water use of no more than 110 litres/ person/ day for the residential units. For the community centre the scheme is targeting 3 out of a possible 5 BREEAM credits for water use, which equates to a 40% improvement over the baseline scenario.</li> <li>• The analysis of the risk of overheating in the new homes using the CIBSE TM59 and TM52 methodology. 25 out of the 50 units have been assessed and all pass the performance</li> </ul>	March 2017 onwards

			<p>criteria for 2020 and 2050 weather data.</p> <ul style="list-style-type: none"> <li>• The proposed use of green roofs on building B-10.</li> <li>• Connection to the CHP being provided on Phase 1.</li> </ul> <p>Alongside fabric improvements and energy efficiency measures, this approach is predicted to reduce emissions associated with the new residential development by 40.64% and meets the Code 4 energy requirements.</p>	
2.11 Promoting low carbon and renewable energy provision in new developments through Local Plan policies	Planning	Number of low carbon and renewable energy installations by type requiring planning permission	Policy 8/16 of the 2006 Local Plan was implemented 19 times during the 2017/18 monitoring year. As with previous years, photovoltaic panels have proved to be the most common technology used with an increased use of ground source heat pumps for non-residential schemes (mostly centred around developments on the University of Cambridge's West Cambridge site). Additional monitoring carried out by officers suggests policy 8/16 was applied to 41 schemes. Figures from Cambridgeshire County Council show that no additional renewable energy capacity was added in Cambridge, but this data is for standalone renewable energy generation and does not take into account renewable energy included as part of new developments. As such, additional capacity will be higher than monitoring data suggests.	On-going from adoption of the new Local Plan in autumn 2018
		Total installed capacity of low carbon and renewable energy technologies by type		
2.12 Engaging in partnership working where appropriate, including County-wide and EU funded projects, to promote energy efficiency and low carbon energy.	Planning	Whether we have engaged effectively in partnership working; and project-specific measures to be identified as projects are developed.	It is likely that there may be more schemes utilising renewable and low carbon energy than the 19 listed above due to the way in which monitoring takes place, and some schemes that do not trigger the use of policy 8/16 may still utilise renewable energy. Separate monitoring suggests policy 8/16 was applied 41 times.	On-going to March 2021
	Corporate Strategy			
2.13 Developing a coordinated and comprehensive communications programme to encourage behaviour change by residents and businesses and reduce their carbon footprint	Corporate Strategy	Awareness of climate change issues and changes in behaviour amongst residents and businesses	The Sustainability section on the council's website ( <a href="http://www.cambridge.gov.uk/sustainability">www.cambridge.gov.uk/sustainability</a> ) has been kept up to date with the latest, relevant information for residents and businesses in Cambridge to help them to reduce their carbon emissions and help the council to achieve the objectives of the Climate Change Strategy. A number of press releases have been produced to promote the measures that have been carried out by the council, including the LED lighting and boiler upgrade at Mandela House and works carried out	On-going to 2021

			<p>at the Guildhall including the installation of solar photovoltaic (PV) panels on the building and also on Parkside, Abbey and Kings Hedges Pools, Whitefriars Sheltered Housing scheme, Mandela House and the Crematorium. Cambridge Matters, the council's newsletter, regularly features sustainability-related articles on the activity of the council and how residents can act, often linking in with national awareness-raising campaigns such as Earth Hour. The council promoted through social media and supported National Refill Days when they were held in September 2018 and June 2019. The council's publication 'Greening Your Home' which helps residents with what they can do to reduce their carbon emissions and save money has continued to be made available at the Customer Service Centre, libraries, events, through community-action groups, and has been promoted on the council's social media channels. It is available to download at: <a href="http://www.cambridge.gov.uk/greening-your-home">www.cambridge.gov.uk/greening-your-home</a> .</p>	
2.14 Introduce consequential improvements policy as part of the Local Plan	Planning	Numbers of applications to which the policy is applied and types of measures installed	Monitoring of this policy has yet to commence, and will take place as part of the Council's Annual Monitoring Report.	On-going from adoption of the new Local Plan in autumn 2018

<b>Actions to Deliver Objective 3 - Reducing emissions from transport by promoting sustainable transport, reducing car travel and traffic congestion and encouraging behaviour change</b>				
<b>Activity</b>	<b>Service</b>	<b>Performance measures/outcomes</b>	<b>Progress</b>	<b>Expected completion date</b>
3.1 Investing in improvements to public transport and cycling infrastructure through the Greater Cambridge Partnerships (GCP) to tackle congestion, reduce journey times, reduce greenhouse gas emissions and improve air quality	Greater Cambridge Partnership	Key schemes progressed, including: Milton Road bus priority	Detailed Design complete end of July 2019. Contractor Procurement underway - Skanska. October 2019 Executive Board to approve moving to construction. Construction to commence November 2019	Ongoing
		Madingley Road bus priority	A third and final pre consultation stakeholder workshop is being held on 23 July to refine the draft options for public consultation. The consultation will take place in November including two options. The Executive Board will consider the recommended option in early 2020.	
		Histon Road bus priority	Detailed Design underway and due to be complete in March 2020. Construction due to commence in Mid-2020.	
		A428 to M11 segregated bus route/A428 corridor Park & Ride	In October 2018, the Combined Authority review concluded that GCP's work to recommend a preferred, off-road route was robust and identified the optimal solution for the Cambourne to Cambridge corridor. In December 2018, the GCP's Executive Board reviewed the Phase 1 route assessment, incorporating responses from public consultation, presenting the off-road route as best delivering project objectives and aligning with future CAM proposals. In Feb/Mar 2019 a public consultation on Phase 2 proposals for the link west of Madingley Mulch roundabout to Bourn Airfield and on to Cambourne, and a new Park & Ride facility was conducted. A single, end-to-end link will be presented to the GCP Executive Board as part of an Outline Business Case for decision in autumn 2019.	
		City Centre capacity improvements/cross-city cycle improvements	Cross City Cycle improvement - Hills Road was completed in early 2018 including improvements to the Hills Road/Long Road junction. Construction work is nearing completion in Arbury Road to build raised cycle lanes. In Green End Road (Links to Cambridge North Station) work to provide kerb segregated cycle lanes has just completed. Work is also nearing completion in Fulbourn Road where raised cycle lanes, widened shared use paths	

			and improved crossings have been built, and in Fen Ditton (Links to East Cambridge and National Route 11 of the National Cycle Network - NCN11) where paths and crossings have been improved.	
		A1307 corridor bus priority/ additional Park & Ride	Quick wins completed (cycle lockers/racks at Babraham Road P&R, and update to signal controller at Linton VC. Tranche 2 projects planned for construction in Q3/Q4 or 2019/20 - right turn lane Granhams Road, Cycleway improvement on Babraham Road, Toucan at Babraham Research to make access to bus stop safer and encourage cycling, E/B Bus Lane at A11, Toucan at Hildersham to make access to bus stops safer and encourage cycling, E/B bus lane at Linton and Cycleway Improvement. Tranche 3 programmed for 2020/21 Financial year - Improvement to Haverhill Road junction, Roundabout at Bartlow Road to improve access for buses, construction of rural travel hub.	
		Chisholm Trail off-road walking and cycling route	Phase 1 & bridge - Construction contract was let in October 2018 to Tarmac Ltd. Activity on site is now ramping up with work about to commence on the piling and supports for the bridge. The bridge itself is completed and waiting in a fabricator's shed in Yorkshire. Phase 2 - Construction of the Romsey section on Network Rail land is now underway. Work is ongoing to secure land agreements to make the route as permeable as possible.	
3.2 Ensuring through planning policy that new developments are located in Cambridge or in locations served by high quality public transport connections, as well as making provision for cyclists and pedestrians	Planning	Monitoring of policy usage as part of the development management process.	The local plans for Cambridge City and South Cambridgeshire were adopted in 2018. A new local plan in underway called the Greater Cambridge Local Plan which is a joint plan between the two authorities. The Issues and Options consultation for the GCLP will take place in November / December 2019.	Adoption of the new Greater Cambridge Local Plan is expected to be in 2023/4
3.3 Promoting low-emissions buses and taxis in partnership with the County Council, bus companies and taxi companies (including current funding bids to the Office for Low Emissions Vehicles)	Environmental Services	First low emission buses in place	Latest 6 monthly data shows 36% bus mileage in Core area delivered by EURO VI buses. However, there has also been an increase in EURO III from 0.5% to 5% as older buses were re-introduced on some services.  The EURO III buses are scheduled for replacement in	March 2025
		% of buses in Cambridge which are low emission		

			September 2019.	
		No. of taxis licenced by the City Council that are hybrid or electric	Total number of electric/ hybrid taxis = x87 (x29 more than in 17/18). Broken down as follows: Private Hire: Low emission/ hybrid = x18, Ultra-low = x1, Zero Emission = x1. Hackney Carriage: Low emission/ hybrid = x38, Zero Emission = x29.	March 2025
3.4 Delivering a programme of public realm improvements including through a three-year Environmental Improvement Programme (EIP), involving improving cycle routes, improvements to access and cycling facilities, remodelling street corners and junctions, and changing yellow lines on streets	Environmental Services	Improvement of cycling facilities, cycle routes, street corners and junctions in Cambridge <i>N.B. subject to continued availability of funding for EIP</i>	Between May and July 2018 three locations had improvements to cycle parking facilities, these included: <ul style="list-style-type: none"> <li>• Queen Anne Terrace (QAT) Car Park: The existing undercover cycle parking area (street level) at QAT has been extended and re-arranged to provide an increase in capacity from 29 cycle stands (58 spaces) to 52 cycle stands (104 spaces). Two cargo bike parking bays have been provided and at least 10% of the new stands include a lower crossbar for smaller (child sized) bikes to be attached.</li> <li>• To the front of QAT car park a new cycle parking area has been created on a small length of what was previously rough open ground. This space now provides 8 cycle stands (16 spaces) with at least 10% including a lower crossbar (as above).</li> <li>• East Road: On the wide footway outside the Espresso Library Café on East Road a new cycle parking area has been created as an extension to the nearby existing cycle parking, which is frequently fully occupied.</li> <li>• Jesus Green Lido: The existing cycle parking outside the entrance to the pool has been increased to support the increased demand from users of the pool and also the events on the green space during the warmer and dryer months.</li> <li>• Overall there has been an increase of 55 new stands (110 spaces) across all sites, plus the addition of two cargo bike bays at QAT. These facilities provide the opportunity for a wider range of user to choose to travel more sustainably; to date all stands have been</li> </ul>	March 2019

			<p>and continue to be well used.</p> <p>Upcoming improvements:</p> <ul style="list-style-type: none"> <li>• Up to a possible 10 new stands (20 cycle parking spaces) at various locations around Mitcham's Corner <ul style="list-style-type: none"> <li>○ 3 new stands (6 cycle parking spaces) at Free School Lane</li> <li>○ 4 new stands (8 cycle parking spaces) at Budleigh Close</li> <li>○ 3 new stands (6 cycle parking spaces) at Taunton Close</li> </ul> </li> </ul>	
3.5 Work with partners to facilitate provision of electric charging hubs for all types of vehicles in Cambridge, including bikes.	Environmental Services	Number of electric charging hubs provided in Cambridge	<p>There are now 6 charge points installed for taxi use at Adam and Eve Car Park, Arbury Court and Newmarket Road. Connection at Castle Hill should be completed in the next 2 months with a further charge point at Eddington planned for Autumn 2019. Further sites have been identified and feasibility studies are being conducted which will result in the installation of up to 21 charge points for taxis.</p> <p>Charge points for City Council owned car parks are proposed with Parking Services undertaking a procurement exercise to facilitate this. Park Street car park has been identified to support electric vehicle charging as part of its redevelopment.</p>	On-going to March 2021
3.6 Securing additional car club spaces through planning policy and planning permissions for major developments	Planning	Number of additional car club spaces delivered at major developments in Cambridge	Continuing to work with partners in delivering additional car club spaces when required.	On-going to March 2021
3.7 Providing core funding for the Travel for Cambridgeshire's (formally known as Travel for Work) work to develop travel plans for employers in the City and encourage employees to travel to work using sustainable modes of transport, until the Partnership becomes financially self-sustaining	Corporate Strategy	Number of employment sites that Travel for Cambridgeshire has worked with to develop employee sustainable travel plans	The core funding agreement ended in March 2017. Travel for Cambridgeshire continues to provide support for businesses under a self-financing model.	Completed – March 2017
		Number of commuters working at employers with sustainable travel plans supported by Travel for		

		Cambridgeshire		
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<b>Actions to deliver Objective 4 - Reducing consumption of resources, increasing recycling and reducing waste</b>				
<b>Activity</b>	<b>Service</b>	<b>Performance measures/outcomes</b>	<b>Progress</b>	<b>Expected completion date</b>
4.1 Working with partners in the Cambridge Sustainable Food network to achieve Sustainable Food City status for Cambridge and delivering key actions in Sustainable Food Action Plan	Corporate Strategy	Sustainable Food City status achieved for Cambridge	Preparations to achieve the Silver Award for the city continues with the Cambridge Sustainable Food network looking to strengthen its evidence base. CSF has enlarged its Partnership Board to incorporate further sustainable food business representatives who will be able to help identify and implement local actions for this sector. Recent work has included the running the Cambridge Vegetable Festival as a part of the year-long Veg Cities campaign to celebrate local and seasonal vegetables, encouraging people to eat less meat and dairy to reduce impact on climate change. The timetable for "Silver" award submission is as follows: 14 October 2019 is the first outline draft submission; 14 February 2020 is the full draft submission, and; 27 April 2020 final application submission date.	Ongoing to March 2021
		Council-led actions in the Sustainable Food Action Plan delivered	During the period, the draft Greater Cambridge Sustainable Design and Construction Supplementary Planning Document (SPD) started its consultation. It encourages local food growing, healthy eating and healthy food environments. CSF has said it will respond positively to these aspects, and in particular strongly support the proposals for local food growing as a part of new developments, which would contribute as one of the Silver Award actions. The council continues to grant fund CSF to deliver some of its actions around cookery skills, holiday lunch programme and waste reduction.	On-going to March 2021

4.2 Maintain the current level of occupancy rates at existing allotments and support take-up of new community gardens and allotments in growth sites to encourage residents to grow their own food	Environmental Services	Existing allotments continue to be fully occupied	There are currently 295 allotment plots, of which 6 are currently vacant (all under offer)	On-going to March 2021
		Numbers of new community gardens and allotments taken up in growth sites	Glebe Farm, Trumpington Meadows and Nine Wells now transferred. Clay Farm date of transfer has not been confirmed.	On-going to March 2021
4.3 Including guidance in the forthcoming update to the Sustainable Design and Construction Supplementary Planning Document (SPD) to encourage developers to incorporate food growing into existing and new developments through the creation of roof gardens and/or growing spaces in residential housing and commercial developments.	Planning	Sustainable Design and Construction Supplementary Planning Document adopted	The Draft Greater Cambridge Sustainable Design and Construction is currently out for public consultation (15 July - 23 September 2019). Anticipated adoption of the SPD is January 2020. Section 4 of the document includes guidance on food growing in new developments	Ongoing from adoption of the SPD in 2020
		Number of developments including an element of on-site food growing provision.	The Draft Greater Cambridge Sustainable Design and Construction is currently out for public consultation (15 July - 23 September 2019). Anticipated adoption of the SPD is January 2020. Section 4 of the document includes guidance on food growing in new developments	Ongoing from adoption of the SPD in 2020
4.4 Developing and delivering a programme of local cooking skills sessions across Cambridge to encourage healthy eating and reduce reliance on processed and packaged food	Corporate Strategy	Number of cooking skills sessions delivered, numbers of attendees benefitting from advice on sustainable cooking, and changes in eating behaviour assessed through continuing contact with the individual and their family.	During 2018/19, 55 cookery skills sessions were held around the city in Abbey, Kings Hedges, Romsey and Trumpington. 271 people benefited from the sessions, including families and older people. In addition to supporting low income families to develop cookery skills and promoting healthy eating, the sessions have helped to promote sustainable food sources.	Ongoing to March 2020
4.5 Promoting healthy and sustainable produce to food businesses through the Healthier Catering Commitment for Cambridgeshire (HCCC) project, including food businesses providing eat-out food to lower income areas of Cambridge	Environmental Services	Number of businesses taking part in scheme and visible changes to menus or recipes	The Council actively support the Cambridgeshire Healthier Options Programme in conjunction with neighbouring Cambridgeshire Authorities. We advise businesses during routine inspections to gauge interest, and then support them in applying. We also undertake the assessment visits and ensure they are listed on the website once they have passed. We currently have 6 businesses that have achieved the award: <a href="http://www.healthier-options.org.uk/members">www.healthier-options.org.uk/members</a> .	On-going to March 2021
4.6 Increasing food waste collections from commercial properties	Shared Waste Service	Increase in food waste recycled - thereby reducing	April 18: 28.86 May 18: 38.92	On-going to March 2021

		waste to landfill	<p>June 18: 35.28  July 18: 40.28  Aug 18: 33.66  Sept 18: 33.46  Oct 18: 38.04  Nov 18: 38.86  Dec 18: 27.76  Jan 19: 35.66  Feb 19: 36.98  Mar 189 59.74  Total = 447.5</p>	
		Increase in the monthly tonnage of dry, mixed recyclables – thereby reducing waste to landfill	<p>April 18: 205.34  May 18: 269.08  June 18: 279.2  July 18: 282.98  Aug 18: 209.02  Sept 18: 218.23  Oct 18: 250.7  Nov 18: 237.56  Dec 18: 170.18  Jan 19: 230.1  Feb 19: 142.48  Mar 19: 176.22  Total = 2,671.09</p>	
4.7 Exploring opportunities to increase opportunities to recycle at 'bring banks' through increasing the range of materials that can be recycled and the number of sites	Shared Waste Service	Opportunities for increased range of materials or new bring bank sites explored	We are focusing our efforts this year on making sites that we do have work better to enable us to capture more material and ensure they complement the kerbside collection scheme. There are no new materials that we can collect at present but we hope to provide for banks for small electrical items.	On-going to March 2021
4.8 Continuing to carry out targeted recycling and waste reduction awareness campaigns, including promoting national Zero Waste week and Love Food Hate Waste, and campaigns to encourage greater recycling by Houses in Multiple Occupation	Shared Waste Service	Run 4 Love Food Hate Waste (LFHW) events dovetailing into Cambridge Sustainable Food initiative	We have been actively promoting the use of kitchen caddies at many events over the summer. Recycle week was focused on plastic recycling in line with the national and global concern about this material. We linked this with plastic reduction messages during Zero Waste Week.	March 2018
		Visited 50 HMOs to carry out face to face engagement to increase	Doorknocking and stickering of bins was carried at HMO and student area to speak to those less familiar with the collection system.	On-going to March 2021

		recycling.		
4.9 Helping to promote voluntary and community groups, e.g. Cambridge Reuse, Emmaus and other recycling and reuse charities	Shared Waste Service	Number of articles in Council publications and press release issued which promote local voluntary and community groups involved in recycling and reuse activities	Housing Services, the Shared Waste Service and other Council services delivered a series Community Days across the city, which included a focus on collecting and recycling bulky waste. The Shared Waste Service ran a "take it or leave it" stall at the Community Days to re-home goods. Good quality items are also taken to charities as part of the Community Action Days. The Shared Waste Service has strong links with the British Heart foundation and support them in their efforts to collect items from Students at the end of term. The Christmas tree collection working with Arthur Rank Hospice in January 2019 was very successful again this year. The Sustainable City Fund funded a series of 6 Master Composting workshops across the city in 2018/19, delivered by charity Garden Organic. The 2 hour workshops in Cambridge trained attendees on the benefits of composting, how to compost and informing them of the available waste collection services.	On-going to March 2021
	Corporate Strategy			
4.10 Reducing consumption of resources by working with community groups to engage and support people in choosing things carefully, making them last well and then re-homing or recycling them.	Corporate Strategy	Evidence of behaviour change amongst residents supported by community groups	The Sustainable City Fund 2018/19 supported Cambridge Carbon Footprint (CCF) to run their Circular Cambridge events, including Cambridge's first Sustainable Fashion Festival in November 2018. 850 people attended the day-long event. Activities included a Sewing Repair Café, a Swish (clothes swap), a sustainable clothing pop-up market, talks, styling workshops, information stalls, a café an upcycling Christmas jumper workshop and Kettle's Yard led creative workshop exploring the circular economy and overconsumption.	On-going to March 2021

**Actions to deliver Objective 5 - Supporting Council services, residents and businesses to adapt to the impacts of climate change**

Activity	Service	Performance measures/outcomes	Progress	Expected completion date
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5.1 Including policies in the Local Plan which will support residents to adapt to the impact of Climate Change, including policies on:	Planning	Local Plan adopted, including policies on heat management, SuDS and water efficiency in new buildings and developments	The Local Plan was adopted in October 2018 and its policies are now being implemented. The Draft Greater Cambridge Sustainable Design and Construction SPD, which provides further detailed guidance on issues such as heat management and water efficiency, will be made available for public consultation between 15 July and 23 September 2019. This includes guidance on the use of the cooling hierarchy to ensure that the issue of overheating is designed out of new developments.	Completed - October 2018
Designing buildings which are simple to keep cool and do not overheat in hotter weather;				
Requiring applications to include Sustainable Drainage Systems (SuDS) and ensuring that development is not at risk from flooding and that it does not increase the risk of flooding elsewhere;	Planning, Environmental Services	Policies on heat management, SuDS and water efficiency in new buildings and developments implemented	The Local Plan was found sound and the Sustainable Drainage Systems (SuDS) policies have been adopted.	On-going from 2017 onwards
Requiring new domestic properties to meet high water efficiency standards (no more than 110 litres of water to be consumed per day) along with standards for non-domestic properties			The water efficiency policy was adopted as part of the Local Plan and implementation of the policy is ongoing. Since the adoption of the Local Plan, the policy has been applied to 18 residential schemes (110 litres/person/day). 13 non-residential schemes have achieved a 40% reduction in water use, while 2 non-residential schemes have achieved a 50% reduction.	
5.2 Exploring opportunities to install Sustainable Drainage Systems (SuDS) on Council property and open spaces as part of new City Council developments	Environmental Services	SuDS to be installed on any new City Council developments - target 100%	SuDS are being integrated into all new City Council developments. Pre-apps are held where necessary with the CIP team to ensure compliance.	On-going to March 2021
5.3 Working with Cambridgeshire County Council and other partners in the Cambridgeshire Flood Risk Management Partnership to manage climate change-related flood risks	Environmental Services	Attendance at Cambridgeshire Flood Risk Management Partnership quarterly meetings. Target 100%	Council officers attended 100% of partnership meetings in 2018/19.	On-going to March 2021
5.4 Contributing to Cambridgeshire-wide planning advice on minimising flood risk and incorporating this into local planning policy through the new Local Plan	Environmental Services	Cambridgeshire-wide planning advice on minimising flood risk written. Local Plan submitted for examination, including policies on minimising flood risk	No further work required. The Cambridgeshire Flood and Water Supplementary Planning Document (SPD) has now been fully adopted as an SPD. Further supplementary guidance on SuDS is also provided for in the Draft Greater Cambridge Sustainable Design and Construction SPD.	Autumn 2018
	Planning			

5.5 Providing advice for residents on how to reduce health risks during heat waves and minimise risks of surface water flooding, including via the Council's website and the Cambridge Matters residents' magazine. Promotion of advice to be linked to specific climate events (e.g. heat wave guidance to be published in spring ahead of possible heat-wave events).	Planning	Information for residents on how to reduce health risks during heat waves and minimise risks of surface water flooding published in Cambridge Matters and regularly updated on the Council's website	During this year's heatwave the Council has used its social media outlets to warn residents of the risks associated with heatwaves and to point them to further advice on the NHS heatwave website. Further information will be timed to specific weather events.	On-going to March 2021, with timing linked to specific weather events
		Information and advice provided to residents and tenants of Sheltered Housing and city residents supported via the council's Visiting Support Service on how to stay cool in hot weather, and stay warm in cold weather. Information also included in publications including Open Door, the council's resident's magazine.	On 21st Feb 2018 all Sheltered Housing staff were given a winter warmth briefing which was discussed with residents at coffee mornings. Home Energy advice was given to all Council tenants via Open Door Magazine in autumn 2018. In 2018, the Council's Sheltered Housing and Visiting Support Service staff referred 27 Customers/Tenants to the Home Energy Officer. The following information was included on all sheltered housing scheme Notice Boards <a href="http://www.ageuk.org.uk/globalassets/age-uk/documents/information-guides/ageukil1_staying_cool_in_a_heatwave_inf.pdf">www.ageuk.org.uk/globalassets/age-uk/documents/information-guides/ageukil1_staying_cool_in_a_heatwave_inf.pdf</a> .	On-going to March 2021
5.6 Implementing the City Council's new tree strategy, which sets out the Council's policies for managing and increasing the city's tree stock	Environmental Services	New tree strategy completed	Details of our ash decline survey data is now shown on our 'tree data' web page which includes much other data about the city's trees: <a href="http://www.cambridge.gov.uk/tree-data">www.cambridge.gov.uk/tree-data</a> . A citizen science ash decline survey has been developed and will shortly be released to engage residents in the threat to ash trees in the city and collect data that will enable us to develop an ash die back action plan	Completed – July 2016
		Tree strategy reviewed, including assessment of numbers of trees in Cambridge	These details are now publically accessible on our tree data web page <a href="http://www.cambridge.gov.uk/tree-data">www.cambridge.gov.uk/tree-data</a> .	On-going to March 2021
		Increase tree canopy cover across the city centre by 2%	Last year the council planted x312 trees in the city. To improve diversity this was done without including any representatives from the Roseaceae family, which is over represented in the council's stock. x5 species were planted that have never been trialed in our streets and parks and opens spaces before: Lagerstromia, Alnus x	On-going to March 2030

			<p>spaethii, Phellodendron, Euodia, Cytisus.</p> <p>The Sheep's' Green veteran tree management strategy has been consulted on and approved: <a href="http://www.cambridge.gov.uk/veteran-tree-management-on-sheep-s-green-and-coe-fen">www.cambridge.gov.uk/veteran-tree-management-on-sheep-s-green-and-coe-fen</a>. Recommended works have been postponed as a result of the drought last year, to reduce stress on these vulnerable trees.</p> <p>The trees section on the website has been relaunched (<a href="http://www.cambridge.gov.uk/trees">www.cambridge.gov.uk/trees</a>) which includes more information about how to get involved and new web forms for customers to contact us with enquiries.</p> <p>Project work to help us plant, protect and manage trees sustainability in Cambridge is underway. Essential to this will be engagement with the public - a digital platform has already been procured and we have uploaded our tree data to the site - from this site we can run citizens science and stewardship programs - <a href="http://www.curio.xyz/about">www.curio.xyz/about</a>. We have procured an up-to-date census of tree cover in Cambridge and it is currently being analysed. The aim is to develop tool-kits that will allow all actors and stakeholders to assess to make more informed tree management decisions in relation to helping the city adapt to climate change.</p>	
5.7 Ensuring that planting in open spaces owned or managed by the City Council is drought resistant and requires less watering	Environmental Services	Percentage of planting in open spaces owned or managed by the City Council that is drought resistant and requires less watering	Additional perennial meadows have been created at Parkers Piece, Histon Recreation Ground and Arbury Park. The Council's annual bedding contract expires in 2019 and will be reverted to perennial or annual flowering meadows	On-going to March 2021
5.8 Working with members of the Cambridgeshire and Peterborough Local Resilience Forum to ensure that plans	Estates and Facilities	Plans are in place to respond to severe weather, heatwaves and flooding	Flood plans were updated in May 2019, all other plans are up to date	On-going to March 2021

are in place to respond to climate change risks (including issuing alerts in the event of severe weather, increased temperatures and flooding) and that these are regularly tested and reviewed		emergencies and are regularly reviewed and tested		
5.9 Management of watercourses to enhance their flow and storage capacity and deliver wider biodiversity benefits	Environmental Services	Annual maintenance undertaken based on watercourse maintenance schedule – target 100%	100% of watercourse maintenance work set out in the maintenance schedule was completed during 2018/19.	On-going to March 2021
		Projects undertaken to increase flow, storage capacity and /or biodiversity benefits – target 2 per year	De-silting works were undertaken to improve flow through Walpole Road culvert. A non-native weed, Crassula helmsii is being managed in Cherry Hinton Brook. In 2018/19 a larger scale project to manage the weed and remove silt took place.	On-going to March 2021
5.10 Develop an evidence base for climate change adaptation to enable us to have a better understanding of the climate risks facing the city and the adaptation actions that will have the greatest benefit across the city.	Corporate Strategy	Evidence base on climate change adaptation developed and further actions identified to manage climate change risks	The Council's Climate Change Adaptation Plan was produced using the findings of the UK Climate Change Risk Assessment 2017. The document, which was presented to the officer Environment Policy Group, consists of an evidence base of risks for Cambridge based on the information in the assessment and a summary of current adaptation actions. Additional adaptation actions have been identified and developed with council service areas.	October 2018
	Planning			
	Environmental Services			
5.11 Ensuring that the city's nature reserves and city wildlife sites are being managed favourably for biodiversity. To assist species adaption and dispersal.	Environmental Services	Number of active management plans in place for biodiversity at designated nature conservation sites.	Active management plans are in place for all 12 Local Nature Reserves, and 2 closed cemeteries, with much work undertake by volunteers supervised by the Local Reserves Officer, community engagement officers and through a Service Level Agreement with The Wildlife Trust.  65.7% of all County and City Wildlife Sites (public and private sites) are in active positive management over 2017/18 up 3% from 16/17.	On-going to March 2021
5.12 Enhancing the city's parks and open spaces to increase biodiversity. To assist species adaptation and dispersal.	Environmental Services	Increase in meadow, wetland and scrub areas in the city's parks and opens spaces.	A vBiodiversity Emergency Motion adopted by Full Council in May 2019. This committed the council to publish a parks biodiversity toolkit in 2019 to increase habitat quality, quantity and connectivity within all City Council land holdings.	On-going to March 2021

			New ponds were dug at Byron's Pool and Bramblefields Local Nature Reserve.	
5.13 The implementation of an Environmental Management System (EMS) is in the Streets and Open Space Operational Plan for 2018/19. An EMS will address resource use by the service, including water consumption; the use of potable water will be reduced. This can be done through the use of rainwater harvesting, where possible, for watering planting, and for flushing toilets if appropriate to install as part of future refurbishments of WCs.	Environmental Services	Rainwater harvesting equipment installed and utilised for watering planting, and other functions, reducing the use of potable water.	There has not been the capacity to fully introduce an EMS system to address resource use by the service in 18/19. Streets and Open Spaces have however identified areas of the service where they can make modifications and change to current working practice. These are reflected in the Street and Open Space Operational Plan for 18/19 & 19/20 and include: the introduction of a volunteer watering scheme for newly planted trees, which has reduced the need to use potable water; and a change in planting styles replacing annual bedding with perennial meadows in 19/20, which will reduce the use of composts, watering and transport costs.	On-going to March 2021
5.14 Ensuring that measures to help adapt to climate change are included, where possible, in car park refurbishments	Commercial Services	The following measures will be carried out, included in specifications and installed where possible during refurbishments of car parks: drainage reviews to reduce flooding, rainwater harvesting to utilise rainwater and reduce use of potable water, reduction in heat from mechanical equipment to reduce overheating.	There have been no infrastructure projects over the last 12 months to facilitate positive outcomes. However, a planning application for the Park Street car park redevelopment has recently been submitted. The application contains a number of climate change adaptations that would drive positive change.	On-going to March 2021
5.15 Promotion of 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.	Customer and Community Services	Messages in conjunction with the local water company promoting use of citywide paddling pools and splash pads. Use of council communication channels and social media to promote indoor and outdoor swimming and paddling pools at times of low	The council promotes the outdoor pools, particularly during episodes of hot weather and has placed adverts advertising the pools in a number of local NHS publications along with the Jesus Green Lido timetable leaflet. There has been no hosepipe ban enforced or water usage restricted during 2018/19, however the council continues to promote the availability of the council's pools and splash pads on the council's twitter and the 'Let's Get Moving' Facebook pages and other social media posts.	On-going to March 2021

		rainfall/ and times when hosepipe bans are enforced.		
5.16 Consideration given to the impacts of extreme weather in the management of outdoor events	Customer and Community Services	Inclusion of consideration of impact of extreme weather on outdoor events within information and training programme for community event organisers, delivered through the Festivals and Events Liaison Group.	The Council's Festivals and Events Liaison Group will be looking at both the impact of severe weather and the learning in relation to greening festivals before the start of the next outdoor festival season (2020/21). This will draw on the knowledge and experience of the Cambridge Live teams.	