

## Richmond Climate Emergency Strategy 2020-2024 – 2021 Action Plan

Our Council: Becoming carbon neutral as an organisation by 2030								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
<b>Our estate</b>								
1.	Decarbonise our buildings	Ensure all buildings that require Display Energy Certificates (DEC) to show the public how well the building is performing year on year have them displayed, in accordance with legislation	DECs displayed in buildings as required by legislation	Existing	Enabling	Innovation and Funding	Ongoing	Property Services
2.		Develop heat decarbonisation plan	Take forward decarbonisation strategy with heat plan developed to include options for local energy creation projects, electrification, storage, optimised and dynamic usage and plan of what is required to decarbonise heat in buildings	High	High	Innovation and Funding	Q1 2022/23	Property Services
3.		Use Climate Change Fund, Carbon Offset Fund and other funding sources such as Salix to deliver estates improvement	Funding identified	Existing	Enabling	Innovation and Funding	Q4 2021/22	Property Services
4.		Ensure council is well positioned to apply for funding of energy efficiency and retrofit projects	Identify and maintain list of shovel-ready projects that may be suitable for grant funding if and when this becomes available.	Low	High	Innovation and Funding	Ongoing	Property Services
5.		Review all buildings that we currently lease to ensure that we are using energy efficient properties	Review complete	Existing	Enabling	Innovation and Funding	Q2 2021/22	Property Services
6.		Investigate energy generation options across the Council estate with a view to delivering a local energy/decentralised energy network.	Options investigated and developed	High	High	Innovation and Funding	Q1 2021/22	Property Services
7.		Investigate funding sources and where possible invest in local energy creation projects, such as renewable energy technologies (e.g. PV / solar panels on Council buildings etc.).	Options investigated and developed	High	High	Innovation and Funding	Q3 2021/22	Property services
8.		Develop a long-term plan for reducing emissions and improving the energy efficiency in Council owned properties which we currently lease to other organisations or are used by other organisations/tenants	Plan developed	Existing	Enabling	Innovation and Funding	Q4 2021/22	Property Services
9.	Improve street lighting	Continue with programme to replace all our street lighting with LED and also use photo-electric control unit (PECU) arrays which will accurately calculate energy consumption.	Programme of replacement works completed	High	High	Innovation and Funding	Ongoing	Traffic and Engineering
10.	Sustainable construction for Council designed and built buildings	Develop a draft approach to sustainable construction and low carbon construction practices within the Council's Design Service, that is scalable with cost implications highlighted on a case by case basis	Approach developed	Low	Enabling / Mitigating	Innovation and Funding	Q3 2021/22	Property Services
11.	Decrease water usage by the Council	Identify and implement water saving measures that can be put in place across the organisation, including technological developments which may help to increase the efficiency of water use and investigate measures to monitor leaks and consumption	Measures installed	Medium	Low	Reduced Waste	Q4 2021/22	Property Services
12.		Investigate water reuse approaches that could be used in Council buildings (e.g grey water and rainwater)	Options investigated and developed	Existing	Enabling	Reduced Waste	Ongoing	Property Services
13.		Maintain a rolling programme of leak detection and swiftly repairing water supply pipes to reduce leakage.	Leaks detected and fixed within SLA	Existing	Low	Reduced Waste	Ongoing	Property Services
<b>Our waste</b>								
14.	Reduce and remove single use plastics from Richmond Council sites	Achieve Single Use Plastic free accreditation for Council operations	Accreditation achieved	Existing		Reduced Waste	Q4 2021/22	Property Services / Assistant Chief Executive
15.	Reduce waste from within Richmond Council sites	Waste reduction and recycling campaign communications plan	Plan developed and delivered	Existing	Enabling	Reduced Waste	Q1 2021/22	Assistant Chief Executive
<b>Our vehicles</b>								

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16.	Reduce emissions of vehicle fleet	Replace all our fleet vehicles so they are ULEZ compliant	Compliance with the LEZ and ULEZ for Council vehicles	High	Medium	Improved Air Quality	Q3 2021/22	Highways Operations and Streetscene
17.		Develop a plan for all Council vehicles to be zero emission by 2030	Plan developed	Existing	Enabling	Improved Air Quality	Q1 2021/22	Highways Operations and Streetscene
18.		Maintain Fleet Operator Recognition Scheme (FORS) Bronze accreditation	Accreditation achieved	Existing	Low	Improved Air Quality	Ongoing	Highways Operations and Streetscene
Our purchasing								
19.	Purchase low-carbon energy	Investigate ways to improve additionality in energy purchasing portfolio Purchase only renewable electricity	Explore options to enter into power purchase agreements for the supply of part or all of the council's energy needs, including existing and new build PPA	Existing	High	Thriving Green Economy	Q1 2021/22	Property Services
20.		Explore alternative options for purchasing low-carbon gas	Continue to explore options for low-carbon gas purchasing as part of next energy contract from 2024	Existing	Enabling	Thriving Green Economy	Ongoing	Property Services
21.	Promote sustainable and low carbon procurement	Provide training and guidance to staff within Procurement Services and institutions who are involved in purchasing decisions and promote the value of sustainable purchasing to staff and contractors	Training and guidance provided	Existing	Enabling	Thriving Green Economy	Q3 2021/22	Financial Services
22.		Explore feasibility of increasing deliveries to the council to be by sustainable methods, such as electric vehicles.	Options investigated and developed	Low	Medium	Thriving Green Economy	Q2 2021/22	Financial Services
23.		Ensure procurement frameworks are fit for purpose for net-zero	Review current frameworks to assess whether these are capable of delivering net zero emissions across all contracts by 2030	Low	High	Thriving Green Economy	Q4 2021/22	Financial Services
24.		Work with partners to develop criteria that require disclosure of emissions, promote circular economy and reduce emissions through the supply chain	Criteria developed	Low	High	Thriving Green Economy	Q1 2022/23	Financial Services
25.	Reduce carbon impact of investments	Ensure an environmental approach to the investment of Richmond's cash balances is maintained	Approach developed	Existing	Enabling	Thriving Green Economy	Ongoing	Financial Management
26.		Take forward report from consultant on Pension Fund carbon footprint	Policy produced on decarbonising council investments	Existing	Enabling	Thriving Green Economy	Q4 2021/22	Financial Services
Our approach to the way we work								
27.	Develop the Carbon Literacy of the organisation	Develop and roll out programme of Carbon Literacy training for staff and members.	Carbon Literacy Bronze level by end Q1 2021/22	Low	Enabling	Low Carbon Behaviours	Bronze – Q1 2021/22 Silver – Q4 2021/22 Gold – Q4 2022/23	Assistant Chief Executive / Corporate Services
28.	Reduce the Council's IT energy consumption	Carry out an energy audit of current service	Audit complete	Low	Enabling	Innovation and Funding	Q3 2021/22	Corporate Services
29.		Move key IT infrastructure to the cloud	Infrastructure move completed	High	High	Innovation and Funding	Q4 2021/22	Corporate Services
30.	Measuring progress on delivery of Climate Emergency Strategy	Submit to Carbon Disclosure Project to achieve outside accreditation for climate work	Submission complete and minimum B grade achieved	Existing	Enabling	Innovation and Funding	Q2 2021/22	Assistant Chief Executive
31.		Complete annual reporting on Council's carbon emissions	Annual carbon emissions reported	Existing	Enabling	Innovation and Funding	Q3 2021/22	Assistant Chief Executive

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32.	Develop carbon emissions measurement	Develop emissions pathway reduction analysis for Council emissions	Pathway reduction analysis produced	Existing	Enabling	Innovation and Funding	Q3 2021/22	Assistant Chief Executive
33.		Work with West London Climate Emergency Group and London Councils on developing Council Scope 3 emissions measurement	Emissions guidelines and tools available	Existing	Enabling	Innovation and Funding	Q3 2021/22	Assistant Chief Executive / Contracts and Leisure
34.		Develop guidance for operational teams to support assessment of emissions reductions for projects	Guidance produced	Existing	Enabling	Innovation and Funding	Q1 2021/22	Assistant Chief Executive
35.		Work with West London Climate Emergency Group and London Councils on developing borough-wide emissions measurement and reduction pathways	Emissions methodology and reporting agreed	Low	Enabling	Innovation and Funding	Q3 2021/22	Assistant Chief Executive / Contracts and Leisure
36.	Encourage staff to switch to active travel	Introduce staff network to encourage sustainable choices among staff – such as travel modes, heating your home when working from home	Network established with representation from all directorates	Existing	Low	Improved Health Low Carbon Behaviours	Q2 2021/22	Assistant Chief Executive /Corporate Services
37.		Live staff event on Climate Change run by Climate Change network	Staff event held	Existing	Low	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
38.		Develop a Staff Travel Plan which promotes alternative modes of transport	Staff Travel Plan in place	Existing	Low	Improved Health Low Carbon Behaviours	Q4 2021/22	Assistant Chief Executive
39.		Assessment of impact of changing working patterns and increased interest in cycling and improve cycle storage, shower facilities and drying rooms	Increase in % of those staff commuting to work travelling by sustainable modes of travel	Low	Low	Improved Health Low Carbon Behaviours	Assessment by Q2 2021/22. Final improvements by Q4 2021/22.	Property Services
40.		Map and share low traffic cycle routes between sites	Improve information available to staff	Existing	Low	Improved Health Low Carbon Behaviours	Q2 2021/22	Planning and Transport
41.		Dr Bike days in Council offices offering a free bike service, at least 2 x per annum	Increase in % of staff commuting to work by sustainable modes of travel	Low	Low	Improved Health Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
42.		Use and monitor car clubs / electric vehicles for car usage for work purposes, e.g. site visits if buses / trains are not feasible	Increase in % of staff using car club and electric vehicles	Medium	Low	Low Carbon Behaviours	Q4 2021/22	Assistant Chief Executive

Our legacy: Climate change mitigation and energy efficiency								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
<b>Our communities</b>								
43.	Lobbying and campaigning around climate change related issues	Commit as a Council to opposing fracking, supporting the current ban on fracking and oppose fossil fuel extraction	Council motion approved	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
44.		Campaign for cheaper, less polluting and safe public transport as well as increased funding and support for active travel modes	Campaign launched	Existing	Enabling	Improved Air Quality	Q2 2021/22	Assistant Chief Executive
45.		Work with the South London Partnership on South London-wide lobbying positions to Mayor of London and national government	Campaign launched	Existing	Enabling	Innovation and Funding	Q1 2021/22	Assistant Chief Executive
46.		Work with London Councils to support progress and delivery of the agreed 7 climate ambitions	Demonstrable input and progress on some of the 7 ambitions	Existing	Enabling	Innovation and Funding	Q4 2021/22	Assistant Chief Executive
47.		Continue to offer a household winter fuel grant to those on a low income who are at risk from living in fuel poverty.	Fuel grants paid	Existing	Low	Improved Health	Ongoing	Public Health
48.	Support community energy	Encourage and support community energy schemes	Community energy scheme is up and running	Existing	Medium	Innovation and Funding	Q2 2021/22	Assistant Chief Executive
49.	Create a Richmond Offsetting Fund	Create an offsetting fund which residents can pay voluntary contributions into to 'offset' carbon emissions from their activity which will be used to fund carbon offsetting projects within the borough.	Fund established	Existing	Offset	Innovation and Funding	Q2 2021/22	Assistant Chief Executive / Revenue Services
50.	Increased communication and engagement around climate change	Develop wide ranging communication and engagement programme that is climate science based and will encourage a change of consumer habits	Programme developed	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
51.		Develop how to guides for residents highlighting practical measures that they can take to reduce their carbon impact (e.g. fitting LED lightbulbs)	How to guides published	Existing	Enabling	Low Carbon Behaviours	Q1 2021/21	Assistant Chief Executive
52.		Support Climate Cafes across the borough	Climate café events held	Existing	Enabling	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
53.		Support local community action events	Community events held	Existing	Enabling	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
54.		Showcase local examples of good practice	Good practice examples published	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
55.		Hold climate emergency focused community conversations	Events held	Existing	Enabling	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
56.		Hold COP26 climate emergency engagement event	Events held	Existing	Enabling	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive
57.		Build capacity in the community on climate action, including development of a climate network of individuals who would be willing to work with community and voluntary organisations	Community network established	Existing	Enabling	Resilient Infrastructure and Communities	Q3 2021/22	Assistant Chief Executive
58.		Engage and work with Richmond Youth Council around their priorities around climate change	Good practice examples published	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
59.	<b>Our buildings</b>							
60.	Develop a new Local Plan which places climate mitigation and adaption at its heart, with zero-carbon policies embedded across planning. This will, but is not limited to:	<ul style="list-style-type: none"> <li>- Encourage circular economy</li> <li>- Explore going beyond London Plan standards for carbon neutral developments, with offsetting a last resort</li> <li>- ensure developments are climate resilient and require the use of sustainable drainage and other flood management systems</li> <li>- maximise opportunities for on-site renewable energy generation and retrofit</li> <li>- use placemaking that prioritises sustainable travel and considers a 15-minute city approach to development</li> </ul>	<p>Consult on Direction of Travel Q2 2020/21</p> <p>Pre-publication consultation on draft plan and consultation on the draft Local Plan: Q2 2021/22</p> <p>Publication consultation on the Council's version of the Local Plan and final SA report: expected Q3 2022/23</p> <p>Submission to Planning Inspectorate of draft Local Plan: Q2 2022/23</p>	Low	Enabling	Resilient Infrastructure and Communities	Q3 2024/25	Planning and Transport

Our legacy: Climate change mitigation and energy efficiency								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
	<ul style="list-style-type: none"> <li>- ensure green infrastructure is a key component of planning and results in biodiversity net gain</li> <li>- provide for monitoring of the effectiveness of the Local Plan through regular performance assessment against a series of quantitative indicators</li> <li>- require development to be 'air quality neutral' during construction and operation</li> <li>- require whole lifecycle emissions assessment from developers, circular economy statements and contributions to the costs of monitoring energy efficiency in line with the GLA's 'be seen' hierarchy and monitoring guidance.</li> </ul>	<p>Independent examination in public, report due Q2 2023/24</p> <p>Adoption of New Local Plan: Q2 2023/24</p>						
61.	<b>Our streets</b>							
62.	Changing our approach to parking	Change our parking policies to persuade people to use less polluting vehicles and to lower the number of vehicles on the road	Policies reviewed	Existing	Enabling	Improved Air Quality	Q2 2021/22	Traffic and Engineering
63.		Exploring increased differential parking permit charges to discourage higher polluting and carbon emitting vehicles	Proposals on differential charging produced	Existing	Enabling	Improved Air Quality	Q2 2021/22	Traffic and Engineering
64.		Pilot reallocation of kerbside on street car parking to alternative uses, such as cycle parking and storage; parklets and trees.	Pilot project complete	Medium	Low	Improved Air Quality  Improved Biodiversity and Green Spaces	Q4 2021/22	Traffic and Engineering
65.	Increasing and improving electric vehicle infrastructure	Build on EV infrastructure, install additional lamppost and other points subject to resourcing, commissioning and approvals required	<p>Assess demand for charging infrastructure and develop plan for further roll-out for residents and visitors, including relative need for on-street, destination and rapid.</p> <p>Increase number of chargepoints accordingly.</p>	High	High	Improved Air Quality  Low Carbon Behaviours	Q4 2021/22	Planning and Transport
66.	Improving access to car clubs	Working with car club providers to improve availability of car club vehicles subject to the market and any approvals required	Increased number of Richmond car club members	Existing	Low	Improved Air Quality	Ongoing	Planning and Transport
67.	Encouraging e-transport (e-bikes, e-cargo bikes and e-scooters)	Monitor introduction of a Dockless Bike Hire Scheme within the borough.	Establish operation and monitor effectiveness	Existing	Low	Improved Health  Low Carbon Behaviours	Q3 2021/22	Planning and Transport
68.		Encourage use of e-cargo bikes across the borough for individuals and business	<p>Assess impact of e-cargo bike pilot and design follow-on schemes</p> <p>Establish ongoing e-cargo bike scheme</p> <p>Develop proposals for alternative ways of scaling up e-cargo bike use by business and residents</p>	Low	Low	Improved Health  Low Carbon Behaviours	Q1 2021/22	Planning and Transport
69.		Undertake work to better understand what cargo bike users need. Identify and implement pilot parking locations for cargo bikes	Analysis of cargo bike users need complete. Pilot parking locations for cargo bikes implemented.	Medium	Enabling	Improved Health  Low Carbon Behaviours	Q3 2021/22	Planning and Transport
70.		Encourage shift to other sustainable modes of transport such as e-scooters by investigating how electromobility could be better incorporated with street infrastructure and rental programmes in anticipation of regulatory changes	E-scooter trial complete and next steps identified.			Improved Health  Low Carbon Behaviours	Q2 2021/22	Planning and Transport
71.	<b>Our partners</b>							

Our legacy: Climate change mitigation and energy efficiency								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
72.	Richmond Climate Charter	Relaunch Richmond Climate Charter, including a commitment to reducing carbon emissions and to sustainable environmental, social and economic approaches	Charter established	Existing	Enabling	Low Carbon Behaviours	Q4 2020/21	Assistant Chief Executive
73.		Sign up social housing providers to Richmond Climate Charter	Large section of group signed up	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
74.		Sign up schools to Richmond Climate Charter	Large section of group signed up	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
75.		Sign up key public sector partners to Richmond Climate Charter	Large section of group signed up	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
76.		Sign up visitor and tourist organisations to Richmond Climate Charter	Large section of group signed up	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
77.		Sign up key business partners to Richmond Climate Charter	Large section of group signed up	Existing	Enabling	Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
78.	Improving the energy efficiency of homes in the borough	Work with key housing partners, including the Greater London Authority (GLA), Private Registered Providers (PRPs) and other social landlords/providers to explore options around the large scale retrofit of social rented housing stocks to improve energy efficiency and reduce target emissions.	Options developed	Existing	Enabling	Resilient Infrastructure and Communities	Q4 2021/22	Strategy and Development/ Assistant Chief Executive
79.		Monitor the outcome of the Government consultation on raising the minimum energy efficiency in the private rented sector to C with a view to developing options to encourage landlords to improve the energy efficiency of their properties.	Outcome of consultation considered. Options for landlord engagement developed.	Existing	Medium	Resilient Infrastructure and Communities	Q3 2021/22	Regulatory Services / Assistant Chief Executive
80.		Investigate ways to enable homeowners and private housing providers to access funds to improve energy efficiency and renewable energy generation in private housing.	Options investigated and developed	Existing	Medium	Resilient Infrastructure and Communities	Ongoing	Regulatory Services / Assistant Chief Executive
81.		Deliver Phase 1 of Green Homes Grant Local Authority Delivery Scheme	Phase 1 delivery complete – 55 homes in the borough retrofitted	Existing	Medium	Resilient Infrastructure and Communities	Q1 2021/22	Assistant Chief Executive
82.		Submit bid for Phase 2 of the Green Homes Grant Local Authority Delivery Scheme and other available funds.	Bid submitted	Existing	Medium	Resilient Infrastructure and Communities	Q1 2021/22	Assistant Chief Executive
83.		Engage with and support the fourth phase of Solar Together London, a group-buying programme that enables Londoners to install solar panels on their homes at a more affordable price.	Completed installations	Existing	Medium	Innovation and Funding Resilient Infrastructure and Communities	Q3 2021/22	Assistant Chief Executive
84.	Targeting fuel poverty	Work with NHS, energy providers and retrofit organisations to support those vulnerable to ill health from cold homes or effect of severe weather events	Increased number of home inspections completed	Existing	Enabling	Improved Health	Ongoing	Public Health
85.	Promoting sustainable transport	Work with schools to encourage use of public transport, walking and cycling to school.	Increased number of pupils using sustainable and active travel to get to school	Existing	Low	Improved Air Quality Improved Health	Ongoing	Traffic and Engineering/Planning and Transport
86.		Encourage visitors to our leisure centres to arrive by active travel methods where possible, including a campaign, exploration of potential reward mechanisms and improving safety of bike storage.	Increased number of visitors using sustainable and active travel to get to leisure centres	Low	Low	Improved Air Quality Improved Health	Q4 2021/22	Contracts and Leisure
87.	Promote energy efficiency in schools	Develop and rollout factsheet for schools on steps they can take to increase energy efficiency and reduce carbon emissions	Factsheet developed and promoted	Existing	Enabling	Resilient Infrastructure and Communities	Q1 2021/22	Assistant Chief Executive /

Our legacy: Climate change mitigation and energy efficiency								
Outline action		Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)
						Low Carbon Behaviours		Property Services
88.		Encourage schools to improve their energy efficiency and reduce their carbon emissions	Commitment from schools to improve energy efficiency	Existing	Enabling	Resilient Infrastructure and Communities  Low Carbon Behaviour	Q2 2021/22	Assistant Chief Executive

Our waste: Waste, plastics and the circular economy								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
<b>Our waste</b>								
89.	Improve our waste collection offer	Roll out food waste collection to all suitable flats not covered by the 2019/20 trial. Approach informed by completed Food Waste Stream Value Mapping process work.	Completion of roll out and engagement.	Existing	Low	Reduced Waste	Q4 21/22	Contracts and Leisure
90.		Commercial food waste collection service	Service running	Existing	Low	Reduced Waste	Q2 2021/22	Contracts and Leisure
91.		Expanding recycling options including Saturday recycling collection, improving the capacity of public recycling sites	Options developed	Existing	Low	Reduced Waste	Q1 2021/22	Contracts and Leisure
92.		Looking at future options for operation of the Civic Amenity site including Upcycling and Re-use facilities	Options developed	Existing	Low	Reduced Waste	Q1 2021/22	Contracts and Leisure
93.		Improving options for kerbside collection of recycling materials.	Options developed	Existing	Low	Reduced Waste	Q1 2021/22	Contracts and Leisure
94.		Improving options for kerbside collection of mixed commercial container recycling	Options developed	Existing	Low	Reduced Waste	Q1 2021/22	Contracts and Leisure
95.		Explore viability of more on street recycling for textiles	Options developed	Low	Low	Reduced Waste	Ongoing	Contracts and Leisure
96.		Review and monitor effectiveness of on-street split recycling bins, including levels of contamination. To inform future communications and approach.	Review completed	Existing	Low	Reduced Waste	Q3 21/22	Contracts and Leisure
97.	Discouraging littering and flytipping	Explore increased enforcement and fines for littering	Monitor performance of littering enforcement contractor and consider additional options	Existing	Low	Reduced Waste	Q3 2021/22	Highways Operations and Streetscene
<b>Our plastic</b>								
98.	Working with the community to reduce single use plastic	Publish vision for how the borough can be single use plastic free	Vision published	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
99.		Raise awareness across Richmond of the ten most common consumer single use plastics items and how to reduce their use	Information published	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
100.		Work with local groups and champions to support plastics free community campaigns	Campaigns launched	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
101.		Work with businesses to encourage refill points in shops to reduce single use plastic	Refill points established	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
102.		Support schools with information and action they can take around reducing plastic use	Information provided	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
103.	Reducing plastic from events	Encourage community events to have a 'green' plan – for waste / recycling / single use plastics	Green Plan template developed and published	Existing	Enabling	Reduced Waste	Q2 2021/22	Assistant Chief Executive
104.		Working with pubs in the borough to participate in cup deposit scheme to replace single use plastic cups	All pubs using plastic cups part of the scheme	Existing	Low	Reduced Waste	Q2 2021/22	Assistant Chief Executive
105.	Public water fountains	Continue the roll out of public drinking fountains in parks and on-street.	Programme of drinking fountains complete	Low	Adaptation	Improved Health Reduced Waste	Ongoing	Contracts and Leisure / Traffic and Engineering
106.		Identify additional funding sources to enable the delivery of additional public drinking fountains and sites to locate them.	Funding sources identified	Existing	Enabling	Innovation and Funding	Ongoing	Contracts and Leisure / Traffic and Engineering
<b>Our parks</b>								
107.	Improving waste collection and recycling in parks	Continue to improve location and signage of waste bins in parks	Locations reviewed	Low	Low	Reduced Waste	Ongoing	Contracts and Leisure
108.		Trial introduction of recycling bins in parks, dependent on outcome of on-street recycling bin installations	Trial complete	Trial	Enabling	Reduced Waste	Q4 2021/22	Contracts and Leisure



Our waste: Waste, plastics and the circular economy								
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109.		Review Events Policy in parks to restrict hirer use of single use plastics and promote sustainable practices	Implementation of revised policy	Existing	Enabling	Reduced Waste	Q3 2021/22	Contracts and Leisure
Our communities								
110.	Encouraging recycling and waste reduction	Encourage reduction in waste through education, improved communication materials and campaigns	Promotional materials and campaign produced	Existing	Low	Reduced Waste Low Carbon Behaviours	Ongoing	Contracts and Leisure
111.	Work with schools to reduce waste	Encourage reduction in waste through education, improved communication materials and campaigns for schools and make schools aware of improved commercial waste offer	Promotional materials and campaign produced	Existing	Low	Reduced Waste	Ongoing	Contracts and Leisure
112.	Encouraging the circular economy	Working with West London Climate Emergency Group, launch communications toolkit and communications campaign about the circular economy and what it is.	Toolkit materials and campaign produced and launched	Existing	Enabling	Low Carbon Behaviours	Q3 2021/22	Assistant Chief Executive / Contracts and Leisure
113.		Encourage business / organisations to adopt a low waste approach for food and packaging	Promotional materials and campaign produced	Existing	Low	Reduced Waste Low Carbon Behaviours	Ongoing	Assistant Chief Executive
114.		Support and encourage the setting up of mending workshops to reduce the waste of old clothes and appliances, with links to Civic Amenity Site and Upcycling/Reuse	Workshop events taken place	Existing	Low	Reduced Waste Low Carbon Behaviours	Q2 2021/22	Contracts and Leisure / Assistant Chief Executive
115.		Support launch of lending / sharing clubs to reduce consumption, including pilot 'Library of Things'	Clubs launched	Existing	Low	Reduced Waste Low Carbon Behaviour	Q2 2021/22	Assistant Chief Executive
116.		Working with West London Climate Emergency Group, development evidence base on the extent of the circular economy, opportunity areas for expansion and measures for tracking circular economy	Research and analysis produced and shared across West London	Existing	Enabling	Innovation and Funding	Q1 2021/22	Assistant Chief Executive
117.		Working with West London Climate Emergency Group, develop a set of circular economy principles and vision that all West London boroughs are signed up to	Circular Economy principles and vision produced and agreed	Existing	Enabling	Innovation and Funding	Q2 2021/22	Assistant Chief Executive
118.		Implement practical demonstrator pilots and projects to demonstrate circular economy in action	Funding established and pilots set up	Existing	Low	Innovation and Funding Thriving Green Economy	Q4 2021/22	Assistant Chief Executive
119.		Hold a series of forums where circular economy businesses can meet people interested in purchasing products and services	Forums held and increased CE activity	Existing	Low	Innovation and Funding Thriving Green Economy	Q3 2021/22	Assistant Chief Executive

Our air: Improving local air quality								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
120.	Deliver the Air Quality Action Plan	Deliver the actions in the Richmond Air Quality Action Plan 2019-24	Air Quality Action Plan delivered	Existing	Low	Improved Air Quality	Q4 2023/24	Highways Operations and Streetscene / Traffic and Engineering
<b>Our data</b>								
121.	Maintain and improve our air quality monitoring	Maintain extensive monitoring regime in the borough and present quarterly updates through the air quality action plan	Monitoring updates presented quarterly	Existing	Enabling	Improved Air Quality	Ongoing	Regulatory Services
122.		Invest in new monitoring equipment as new technology moves forward	New equipment installed	Existing	Enabling	Improved Air Quality	Ongoing	Regulatory Services
123.		Undertake study to assess impact of wood burning on local PM2.5 levels, subject to funding	Complete study and capture proposals	Existing	Enabling	Improved Air Quality	Ongoing	Regulatory Services
124.	Encourage and support citizen science activities that identify and tackle air pollution	Positively encourage and support citizen science activities where these actively contribute to identifying and tackling air pollution in the borough, including the provision of Diffusion Tubes and hand-held monitoring	Monitoring devices provided	Existing	Enabling	Improved Air Quality	Ongoing	Regulatory Services
<b>Our streets</b>								
125.	Reducing air pollution from public transport	Lobby TfL for cleaner, less polluting models of buses	Lobbying approach agreed	Existing	Medium	Improved Air Quality	Ongoing	Planning and Transport
126.	Implementing the Ultra Low Emissions Zone	Work with TfL on preparing for the implementation of the ULEZ	ULEZ implemented	Existing	Enabling	Improved Air Quality	Ongoing	Planning and Transport
127.	Reducing air pollution from deliveries	Develop plans to place restrictions on delivery vehicles in busy high streets.	Areas identified Plans developed	Low	Medium	Improved Air Quality	Q4 2021/22	Planning and Transport
128.		Identify funding opportunities and suitable areas for pilot e-bike deliveries	Pilot areas identified	Low	Medium	Improved Air Quality  Innovation and Funding	Q4 2021/22	Planning and Transport / Highways Operations and Streetscene
<b>Our communities</b>								
129.	Enforce allotment bonfire ban	Maintain ban on bonfires in allotments and ensure enforcement action is taken where necessary.	Enforcement action in place	Existing	Enabling	Improved Air Quality	Ongoing	Contracts and Leisure
130.	Changing our approach to parking	Consider report on diesel surcharges on CPZ parking permits and draw up proposals for consultation.	Consultation complete and relevant changes implemented	Existing	Enabling	Improved Air Quality	Q1 2021/22	Traffic and Engineering
131.	Opposing Heathrow expansion	Continue opposition to Heathrow expansion by working with other councils, Greenpeace and the Mayor of London.	Win ongoing court case	Existing	Enabling	Improved Air Quality	Ongoing	Assistant Chief Executive
132.	<b>Our pollution</b>							
133.	Target idling vehicles	Deliver training to civil enforcement officers to issue fixed penalty notices to drivers who are idling.	Training delivered	Low	Enabling	Improved Air Quality	Q4 2020/21	Highways Operations and Streetscene
134.		Raise awareness and promote behaviour change around idling	Communication and campaign materials produced	Existing	Enabling	Improved Air Quality	Q3 2021/22	Traffic and Engineering / Assistant Chief Executive
<b>Our schools</b>								
135.	Install Green Walls	Pilot trials of Green Wall installations around nurseries and primary schools in the borough to identify impact and feasibility of wider rollout	Pilot green wall in place	Low	Low	Improved Air Quality	Q3 2021/22	Traffic and Engineering

Our nature: Green infrastructure and biodiversity								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
<b>Our biodiversity</b>								
136.	Encouraging biodiversity in the borough	Support the delivery of the Local Biodiversity Action Plan (LBAP).	Actions in LBAP delivered	Existing	Offset	Improved Biodiversity and Green Spaces	Q4 2024/25	Contracts and Leisure
137.		Raise awareness and promote behaviour change around importance of biodiversity and actions that can be taken to done to help (e.g. not concreting over front gardens, planting native species in gardens, encouraging wildlife)	More trees and wildlife	Existing	Offset	Improved Biodiversity and Green Spaces  Low Carbon Behaviours	Q1 2021/22	Assistant Chief Executive
138.		Support schools to 'rewild' areas of their grounds e.g. parts of their playing fields	Respond positively to requests from schools to advise on rewilding areas	Existing	Offset	Improved Biodiversity and Green Spaces	Ongoing	Contracts and Leisure
139.		Cease installation of artificial grass on Council facilities (with the exception of purpose-built sports facilities and in exceptional cases in playgrounds)	No artificial grass installed	Existing	Offset	Improved Biodiversity and Green Spaces	Ongoing	Contracts and Leisure/ Facilities Management
140.		Discourage installation of artificial grass on private developments wherever possible	Lower incidence of installation of artificial grass	Existing	Offset	Improved Biodiversity and Green Spaces	Q3 2021/22	Planning and Transport
141.		Support the Thames Landscape Strategy's "Rewilding Arcadia" project	Rewilding Arcadia project milestones delivered	Existing	Offset	Improved Biodiversity and Green Spaces	Ongoing	Contracts and Leisure / Planning and Transport
142.	Minimise impact of lighting on biodiversity	Limit our own use of floodlighting at Council controlled sports venues and work with local sports venues to reduce their use of floodlighting	Policy position on floodlighting developed	Existing	Low	Improved Biodiversity and Green Spaces	Ongoing	Contracts and Leisure / Assistant Chief Executive
143.		Review our street lighting approach to ensure minimal impact on biodiversity	Review completed	Existing	Low	Improved Biodiversity and Green Spaces	Q4 2021/22	Highways and Streetscene
144.	Develop options for non-chemical weed treatments.	Seek viable options for non-chemical treatments as part of tender for the street cleansing contract.	Options presented to Members for consideration	Existing	Low	Improved Biodiversity and Green Spaces	Q4 2021/22	Contracts and Leisure
145.	Improve habitat management	Identify new areas under the control of the Council where we could improve our habitat management	New areas and potential improvements	Existing	Low	Improved Biodiversity and Green Spaces	Ongoing	Facilities Management/ Contracts and Leisure/Highways and Streetscene
<b>Our communities</b>								
146.	Deliver Cultural Reforesting Programme	The cultural reforesting programme aims to renew our relationship with nature. The programme aims to be solutions focussed and will work with a range of artists and partners carrying out research on Orleans House Gallery grounds and across the borough. For 2021 this will involve an exhibition and artist research.	First year of programme delivered	Existing	Enabling	Improved Biodiversity and Green Spaces  Low Carbon Behaviours	Q4 2021/22	Contracts and Leisure
<b>Our trees</b>								
147.	Take an informed approach to tree planting	Identify key impact areas for tree planting, with a focus on mitigation of climate change effects	Complete identification of areas	Low	Enabling	Resilient Infrastructure and Communities	Q4 2021/22	Contracts and Leisure

Our nature: Green infrastructure and biodiversity								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
					Improved Biodiversity and Green Spaces			
148.		Deliver ecosystems services study and engage local groups in study	Commence ecosystems service study	Low	Enabling	Resilient Infrastructure and Communities Improved Biodiversity and Green Spaces	Q1 2022/23 Contracts and Leisure	
149.		Implement tree planting strategy informed by ecosystems services study	Tree planting strategy developed	Low	Enabling	Resilient Infrastructure and Communities Improved Biodiversity and Green Spaces	Q1 2023/24 Contracts and Leisure	
150.	Plant more trees	Plant additional trees across the borough	Tree planting targets met each year	Existing	Offset	Improved Biodiversity and Green Spaces	Q4 2024/25 Contracts and Leisure	
151.		Encourage planting of appropriate trees in private gardens	More trees planted	Existing	Offset	Improved Biodiversity and Green Spaces	Q1 2021/22 Assistant Chief Executive	
152.	Protect our existing trees	Utilise Friends Groups to help the community support and nurture trees in their local area.	Ongoing feedback from Friends Groups.	Existing	Offset	Improved Biodiversity and Green Spaces	Q3 2021/22 Contracts and Leisure	
153.		Identify and celebrate Veteran and Heritage trees through link to great London trees and include in educational material and walks.	Materials published	Existing	Offset	Improved Biodiversity and Green Spaces	Q3 2021/22 Contracts and Leisure	
Our parks								
154.	Improving parks	Further encourage use of and promote benefits of parks and open spaces	Activity and engagement programme and campaigns	Existing	Enabling	Improved Biodiversity and Green Spaces	Ongoing Contracts and Leisure	
155.		Identify improvements to parks facilities in partnership and consultation with Friends Groups and borough residents	Parks Improvement Plan	Existing	Enabling	Improved Biodiversity and Green Spaces	Ongoing Contracts and Leisure	
156.	Improving environmental practices in parks operations	Continue to trial non-chemical weed treatments for turf in parks	Complete trials	Existing	Enabling	Improved Biodiversity and Green Spaces	Q1 21/22 Contracts and Leisure	
157.		Increase the area of meadows in parks	Area coverage increased	Low	Offset	Improved Biodiversity and Green Spaces	Q2 2021/22 Contracts and Leisure	
158.		Naturalise existing meadows	Complete naturalisation	Existing	Adaptation	Improved Biodiversity and Green Spaces	Q2 2021/22 Contracts and Leisure	
159.		Leave highways verges to naturalise in suitable areas which will only be cut and collected once a year to improve biodiversity value	Project to commence	Low	Offset	Improved Biodiversity and Green Spaces	Q1 2021/22 Contracts and Leisure/ Highways Operations and Street Scene	

Our nature: Green infrastructure and biodiversity								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
160.		Reduce usage of peat in parks by trialling peat-free hanging baskets	Reduction in quantities of peat used	Existing	Medium	Improved Biodiversity and Green Spaces	Q2 2021/22	Contracts and Leisure
161.		Undertaking soft market testing for the possibility of the next floral display contract	Complete exercise	Existing	Medium	Improved Biodiversity and Green Spaces  Thriving Green Economy	Ongoing	Contracts and Leisure
Our green infrastructure								
162.	Urban greening and green infrastructure	As part of Local Plan review promote green infrastructure as playing a critical role in increasing London's capacity to adapt to climate change (e.g. during droughts, heatwaves, heavy rainfall events etc).	Urban greening policy options explored in Local Plan review	Existing	Enabling	Resilient Infrastructure and Communities  Improved Biodiversity and Green Spaces	Ongoing	Planning and Transport / Assistant Chief Executive
163.		As part of Local Plan review adopt new approaches to the design and management of green space (i.e. drought resistant vs native plants etc.)	Explore new approaches in Local Plan review	Existing	Enabling	Resilient Infrastructure and Communities  Improved Biodiversity and Green Spaces	Ongoing	Planning and Transport / Contracts and Leisure

Our water: Water management and flood abatement								
Outline action	Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)	
<b>Our resilience</b>								
164.	Using our planning system to protect against flooding	Use our Local Plan to apply planning solutions to flood risk management wherever possible by steering vulnerable development away from areas affected by flooding in accordance with the NPPF Sequential Test.	NPPF Sequential Test applied	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Ongoing	Planning and Transport
165.		Promote green infrastructure to act as flood storage areas, holding large volumes of water in temporary ponds to protect built up areas from flooding.	Policy options explored in Local Plan review	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Ongoing	Planning and Transport
166.	Identifying flooding threats	Identify the most vulnerable people in the areas most at risk of flooding from climate change	Assessment completed	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Ongoing	Traffic and Engineering
167.		Develop and install SuDS across highway network and in conjunction with Parks teams, considering habitat preservation.	Continue to develop options, seek funding, prioritise locations for shovel-ready projects and install SuDS	Medium	Enabling	Resilient Infrastructure and Communities Improved Biodiversity and Green Spaces	Ongoing	Planning and Transport / Traffic and Engineering / Assistant Chief Executive
168.		Require developers to install Sustainable Urban Drainage Systems	Require the use of SuDS in all developments	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Ongoing	Planning and Transport
169.		Ensure cross-departmental working with the council to embed climate resilience within council operations and community partnerships	Establish internal flooding working group	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Q4 2020/21	Traffic and Engineering
170.		Update Local Flood Risk Management Strategy	Strategy updated	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities	Ongoing	Traffic and Engineering
<b>Our communities</b>								
171.	Working with residents and businesses to reduce water wastage	Identify opportunities for reducing runoff and improving storage capacity and highlight to businesses and residents	Options investigated and developed	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities Clean Water	Q2 2021/22	Traffic and Engineering / Assistant Chief Executive
172.		Identify sources of funding and assistance for retrofitting roofs on residential and commercial buildings with green or blue roofs	Options investigated and developed	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities Innovation and Funding	Q4 2020/21	Assistant Chief Executive
173.		Campaign for water waste meters for all households and businesses	Campaign launched	Existing	Adaptation	Clean Water	Q4 2020/21	Assistant Chief Executive
<b>Our partners</b>								
174.	Working with water partners	Work closely with the South West London Flood Group, the Environment Agency, the Local Resilience Forum and the Drain London Forum on flooding developments	Relationships maintained and improved	Existing	Enabling	Resilient Infrastructure and Communities Clean Water	Ongoing	Traffic and Engineering

Our water: Water management and flood abatement								
Outline action		Specific Action(s)	Measure / Target	Cost	Carbon Impact	Co-benefits	Timeline	AD Lead (s)
175.		Ensure that Richmond is complying with its Lead Local Flood Authority duties and responsibilities	Compliance with duties	Existing	Enabling / Adaptation	Resilient Infrastructure and Communities Clean Water	Ongoing	Traffic and Engineering
176.		Maintain and improve good working relationships and collaboration with external organisations to help maintain the quality of our local waterways	Water quality maintained	Existing	Enabling / Adaptation	Clean Water	Ongoing	Planning and Transport / Traffic and Engineering
177.	Provide Sustainable Drainage Systems	Provide Sustainable Drainage Systems (SuDS) using identified funding from Thames Water	SUDs delivered	Existing	Adaptation	Resilient Infrastructure and Communities	Ongoing	Traffic and Engineering

## Definitions

Q1 is April to June. Q2 is July to September. Q3 is October to December and Q4 is January to March.

Costs	Carbon Impact	Co-benefits
<ul style="list-style-type: none"> <li>• Existing – to be met from existing and already identified resource</li> <li>• Low – under £50k required for the project or approach</li> <li>• Medium – Between £50k and £200k required for the project or approach</li> <li>• High – Over £200k required for the project or approach</li> </ul>	<ul style="list-style-type: none"> <li>• Enabling – action will not save carbon directly but will help create an environment where other actions can take place to save carbon or create climate resilience</li> <li>• Low – reduce carbon emissions in this area by under 10%</li> <li>• Medium – reduce carbon emissions in this area by between 10% and 25%</li> <li>• High – reduce carbon emissions in this area by over 25%</li> <li>• Offset – action will create an offset, storing carbon</li> <li>• Mitigation – action will mitigate against potential additional emissions that come from development/action in this area</li> <li>• Adaptation – action will help adapt to current and/or future impacts of climate change</li> </ul>	<ul style="list-style-type: none"> <li>• Thriving Green Economy</li> <li>• Resilient Infrastructure and Communities</li> <li>• Improved Health</li> <li>• Improved Air Quality</li> <li>• Innovation and Funding</li> <li>• Low Carbon Behaviours</li> <li>• Improved Biodiversity and Green Spaces</li> <li>• Reduced Waste</li> <li>• Clean Water</li> </ul>

### Co-benefits: an explanation

Climate co-benefits are beneficial outcomes from action that are not directly related to climate change mitigation. Such co-benefits include cleaner air, green job creation, health benefits from active travel, and biodiversity improvement through expansion of green space. Planning climate action that also delivers co-benefits can enable us maximise opportunities to address multiple social, environmental, and economic challenges. We have identified the co-benefits of our actions throughout our Climate Emergency Strategy Action Plan. An expansion and explanation of what we mean for each co-benefit is set out below:

- **Thriving Green Economy:** Action supports the development of the green economy. This can include green jobs, green skills, investment in business and the circular economy. A green economy can lead to secure jobs, lower carbon emissions from business and provide improved low carbon choices for residents in what they buy and consume.
- **Resilient Infrastructure and Communities:** Action supports our places and communities to be ready for the impacts of climate change such as flooding, heat waves or other extreme weather events.
- **Improved Health:** Action supports improved health of the population.
- **Improved Air Quality:** Action reduces air pollution and improves air quality.
- **Innovation and Funding:** Action supports new approaches, ideas or ways of working that are innovative and a move away from traditionally used approaches. Action attracts new or additional funding to the organisation or the borough, or reduces costs over the long term.
- **Low Carbon Behaviours:** Action promotes changes in the way people act and the choices they make so they are acting in low carbon ways.
- **Improved Biodiversity and Green Spaces:** Action supports increased biodiversity in the borough, increased plant or animal life or supports the promotion, improvement or preservation of green spaces.
- **Reduced Waste:** Action supports a reduction in waste materials being generated or supports generation of materials that can be reused within a circular economy approach.
- **Clean Water:** Action supports the preservation of clean water in the borough by reducing water demand and/or reducing potentially polluting water run off.