
ROYAL BOROUGH OF GREENWICH CARBON NEUTRAL PLAN

UPDATE TO

CLIMATE ACTION PLAN 2023-2025 & 2030

Introduction and Action Plan Exec Summary

The Royal Borough Greenwich's (RBG) second Climate Action Plan was adopted by Full Council in February 2024. The Action Plan is the delivery framework in which RBG's Carbon Neutral Plan 2030 (CNP) policy is to be achieved. The latest Plan continues to structure the Council's climate activities by the seven climate themes:

- Buildings
- New Development
- Transport
- Energy Supply
- Circular Economy
- Natural Environment
- Empowering Wider Change

These themes are broken down into high level *2030 Aspirational Objectives* which in turn strategically map the required *Areas of Action up to 2030*. Both the Aspirational Objectives and Areas of Action are identified as longer term, ongoing requirements that will run the course of the CNP's implementation to achieve its 2030 aspirations. These are unlikely to substantially change until the next strategic review of the CNP which is due to take place after 2025. The Action Plan also sets out short-term *Interim Actions up to 2025* that will help mobilise and deliver against the Areas of Action and focus efforts in the short to medium term. The Action Plan therefore cascades climate action from the longer-term strategic, Aspirational Objectives to the Interim Actions – providing a well-structured and considered approach to delivering against the CNP.

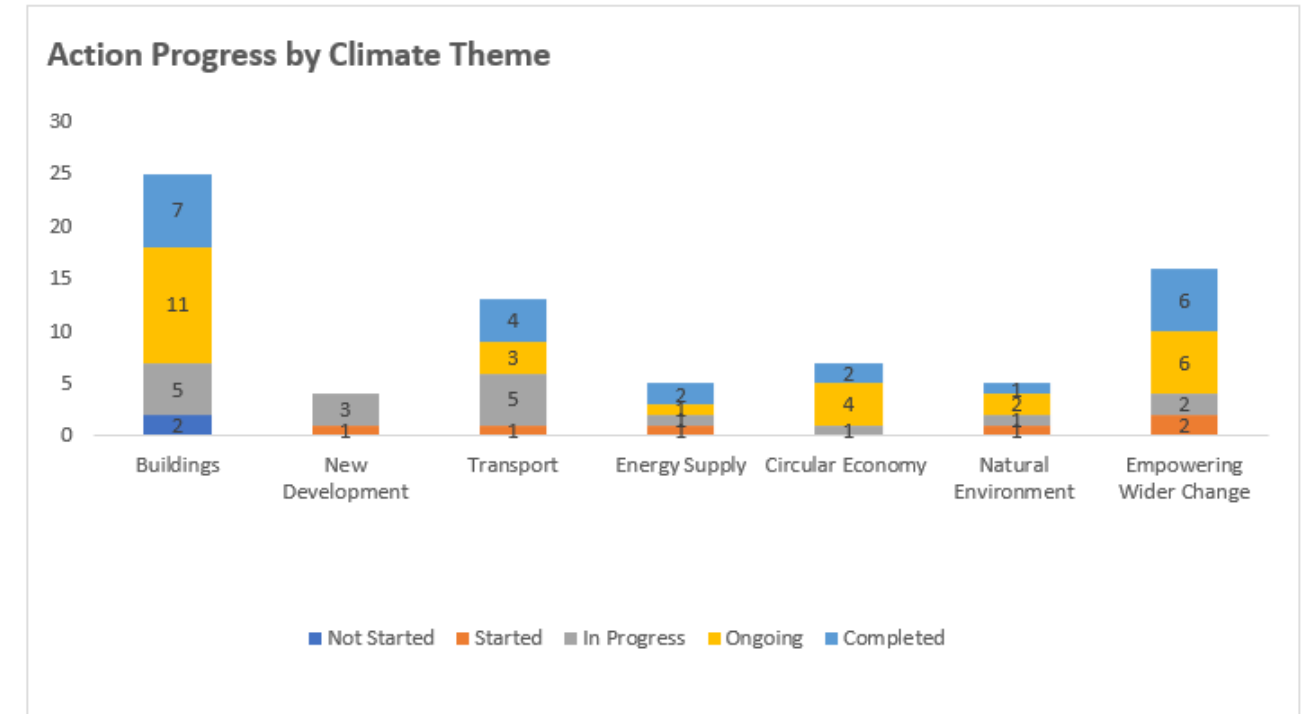
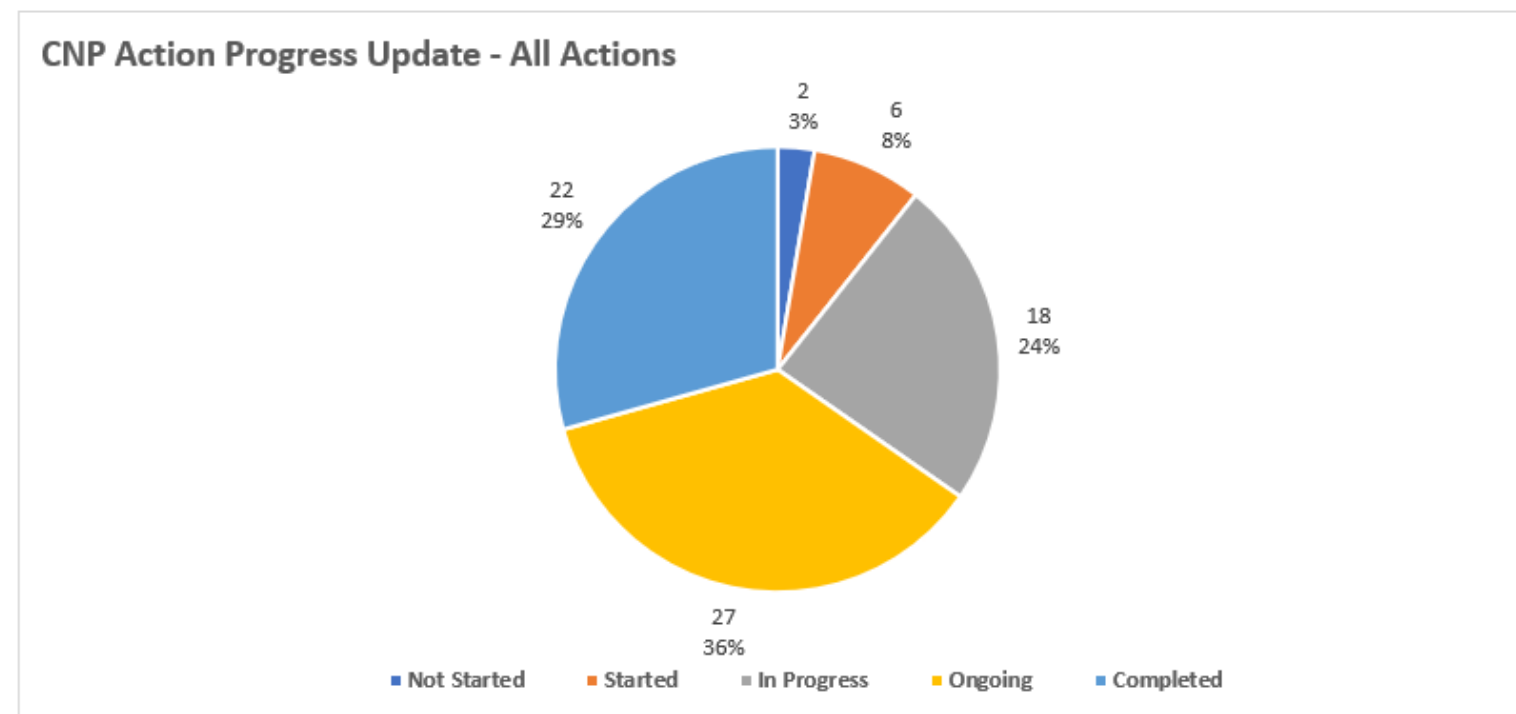
Readers should be aware that, due to the release of national datasets, borough and operational emissions have different reporting periods, with calendar year 2022 being reported for Borough emissions and FY 2023/24 for operational. This methodology is further explained in the Third Year Annual Emissions Report.

The Action Plan was validated by external consultants for robustness and accuracy.

Dashboard: Progress to Date

The below table and graphs illustrate the actions' status and progress by climate theme.

Action Status	Description	No. of Actions	Percentage of whole
Not Started	The action has not yet been started	2	3%
Started	Discussions and initial steps have been taken - but is not yet fully mobilised	6	8%
In Progress	Work in delivering the action is now mobilised and underway, but not yet complete	18	24%
Ongoing	The action is mobilised and underway, the action is expected to repeat (with continued refinements) to 2030	27	36%
Completed	The action has been completed	22	29%
Total		75	100%



Buildings

Buildings									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
Act. No.	Emissions Sector	Borough or Operational (Council) Emissions	2030 Aspirational Objective	Carbon Reduction Target	Areas of Action up to 2030	Interim Actions up to 2025	Measure of Progress	Target	Action Status/ Progress to Date
1.1	Council Housing	Operational	<p>All Council-owned homes are net zero carbon emissions (scopes 1 and 2) by 2030.</p> <p>All projects are managed so as to add the maximum possible flexibility to the grid.</p> <p>Minimum energy efficiency standards are enforced</p> <p>Progress is monitored/verified by relevant, representative metered data</p>	<p>61 ktCO₂e/yr,</p> <p>9% of quantified borough Emissions</p> <p>plus</p> <p>7.2 ktCO₂e/yr Temp. Accom.</p> <p>(32% of Operational Emissions)</p>	<p>Council Rented Properties, Sheltered and Temporary Accommodation:</p> <p>Develop net zero retrofit programme showing year-by-year retrofit targets.</p> <p>Deliver SHDF Wave 2.1, apply for future waves of SHDF funding and other relevant funding.</p> <p>Continue to undertake energy efficiency retrofit measures.</p> <p>As homes become more energy efficient, replace boilers at the end of their life with heat pumps in street-level properties where technically feasible. Undertake pilot communal heating scheme decarbonisation in blocks with individual boilers.</p> <p>Continue to upgrade communal heating schemes according to current programme. Schemes should undertake a feasibility assessment and communal boilers should be replaced with heat pumps where feasible, at the same time as appropriate energy efficiency measures to ensure residents are protected from increases in bills associated with electric heating.</p>	<ul style="list-style-type: none"> Establish net zero retrofit and decarbonisation programme showing year-by-year targets (2023) and implement projects according to programme Deliver SHDF Wave 2.1: EPC C for 665 homes (delivery deadline September 2025) Apply for all relevant funding streams available Implement years 1-3 of the communal heating upgrade programme, replacing communal boilers with heat pumps in conjunction with energy efficiency fabric retrofit where feasible Implement energy monitoring for representative schemes: e.g. communal heating systems, representative archetypes across the borough Implement a communications campaign with residents to improve resident understanding of retrofit and decarbonisation measures, and publicise relevant schemes, renewable tariffs and fuel poverty support services 	CO ₂ e saved (est. or actual). EPC data	<p>55-60% council-owned homes to EPC C by 2030.</p> <p>100% leasehold homes to meet minimum EPC requirements for 2025.</p> <p>Boiler replacement targets (where technically feasible):</p> <ul style="list-style-type: none"> 100% council owned homes are to be served by a heat pump or a low carbon heat network by 2035. 	<p>Ongoing: Council Owned Homes EPC Breakdown:</p> <p><1% EPC A, B ~50% EPC C ~46% EPC D ~4% EPC G, F, E</p> <p>Ongoing: 5 Year Investment Plan</p> <ul style="list-style-type: none"> 40 Communal boiler upgrades/replacements – 12 tco₂e/yr 725 individual boilers replaced – 225 tco₂e/yr 267 windows replaced – 113 tco₂e/yr 70 homes connected - 56 tco₂e/yr saved <p>Ongoing: 20% connected to a heat network</p> <p>In Progress: SHDF Wave 2.1</p> <ul style="list-style-type: none"> 86/665 completed properties On track for completion by September 2025 Properties will all reach EPC C, 90kWh/m²/an space heating demand, and will all receive loft insulation, wall (either external or cavity) insulation, new windows, doors and ventilation Est. 98 tCO₂e/ yr <p>Ongoing: Temporary Accommodation</p> <ul style="list-style-type: none"> 130 tCO₂e (1.8%) reduction
1.2	Council Housing	Operational			<p>Council Leasehold Properties:</p> <p>Leasehold properties should be retrofitted/decarbonised in line with the strategy for council-owned properties. Actions should be undertaken alongside actions implemented on neighbouring/adjacent council-owned properties. Leaseholders should contribute to required retrofit/decarbonisation measures as appropriate, considering relevant funding requirements, repayment options etc. Leaseholders to meet minimum energy efficiency requirements.</p>				
1.3	Council Housing	Operational			<p>Domestic Renewable Energy Tariffs and Generation: (where financially appropriate); encourage households to opt for energy tariffs tied to renewable energy generation, such as REGOs.</p>			<p>If markets are stable – resume Big London Energy Switch</p>	<p>Not Started: On hold until market volatility improves</p>

Buildings

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1.4	Private Sector Housing	Borough	Net zero private sector homes (scopes 1 and 2) by 2030	197 ktCO2e/yr (homes excluding council owned homes)	London Councils Interim Target: Average EPC C housing stock (Able-to-pay-homes) Continue to signpost to relevant staff and energy efficiency schemes such as: <ul style="list-style-type: none"> o Future Fit Homes o Solar Together (If considered appropriate) o Big London Energy Switch (dependant upon market volatility) o ECO4 o BEIS (£10,000 grant) 	<ul style="list-style-type: none"> • Promote and signpost grants for home energy efficiency and heat decarbonisation in private housing sector (rented and owner-occupier), (including building fabric, energy supply and controls) • Borough wide stock analysis to locate all F + G homes • Direct mail/communications households – signposting schemes 	1. Campaigns have been launched to engage the borough 2. People are aware of what retrofitting is and its benefits 3. Tenants and landlords are aware of the new regulations 4. Grant uptake 5. Retrofit Enquiries	1. Enhancing awareness of retrofitting practices and government commitments while promoting adherence to regulations. 2. Maximizing the allocation of grant funding to expedite retrofit initiatives. 3. No. properties below EPC C retrofitted to EPC C standard 4. Reduced energy consumption and bills	Completed: LAD3& HUG <ul style="list-style-type: none"> • 218 homes receiving 258 efficiency measures • 100% Trust Mark accredited • 132 tco2e/yr saved • £46,630 total annual household savings Ongoing: Solar Together <ul style="list-style-type: none"> • 51 Solar PV Installations • 40 Batteries Installed • 30.2tCO2e/yr saved • £300,468 total investment In Progress: Anti-poverty strategy will include action plan for fuel poverty outreach Ongoing: SELCE Energy Efficiency Outreach Service
1.5	Private Sector Housing	Borough		27% of quantified borough emissions	London Councils Interim Target: Average EPC C housing stock (low income households) Refer tenants to energy efficiency support including but not limited to: <ul style="list-style-type: none"> o ECO4 o Warmer Homes Discount o Energy for Londoners o Boiler Upgrade Scheme o BEIS (£10,000 grant) LAD (if future schemes are available) o HUG3 (if future schemes are available)	Promote and sign post grants for home energy efficiency and heat decarbonisation in private housing sector (rented and owner-occupier), (including building fabric, energy supply and controls) <ul style="list-style-type: none"> • Borough wide stock analysis to locate all below C homes • Direct mail/communications households – signposting schemes • Signpost to relevant staff and energy efficiency schemes: <ul style="list-style-type: none"> o Future Fit Homes o Solar Together (if considered appropriate) o Big London Energy Switch (dependant upon market volatility) • Encourage tenants to switch to renewable tariffs (when rates are cheaper than fossil fuels) • Sign post residents to RBG fuel poverty support services 	6. Collection of Pre and post retrofit energy bills 7. Collection of EPC data pre and post retrofit		<ul style="list-style-type: none"> • 306 Residents engaged • Efficiency measures - 118 tco2e • Behavioural Advice – 24 tco2e • New Boiler Installation – 37 tco2e Total: 124.6 tco2e mitigated

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1.6	Capital Projects & Property Maintenance.	Operational	All Council corporate, maintained schools, community centres, shop units (HRA Owned), industrial estates stock is de-carbonised and energy efficiency is improved. All projects are managed so as to add the maximum possible flexibility to the grid. Replace all boilers with low carbon heating systems (where it is technically feasible) in Council buildings by 2030. Minimum energy efficiency standards are enforced.	5.8 ktCO2e/yr (Corp. stock, community centres, shop units, industrial estates)	Corp. Stock: Identify and deliver energy efficiency projects via programme of retro-fit works for corporate stock.	<ul style="list-style-type: none"> Monitor developments on national discussion of renewable energy tariffs. Consistently review energy monitoring processes - explore investment in sub-meters and power downs to further reduce operational emissions through behaviour change (up to 10-15% savings). Gap analysis on reaching net zero: financial, technological, policy (grid 2035),. Gather accurate energy usage data across the portfolio and analyse to identify priority high energy use buildings Using the findings in the Heat Decarbonisation Plan to deliver a corporate estate net zero master plan in line with our RBG Corporate Stock policy. Include assessment roof PV suitability and develop business cases if feasible. This may include commercial options such as "rent-a-roof" Reactive and Programmed Maintenance: Prioritise the most urgent, cost effective and "low hanging fruit" efficiency works identified in the Council's RE:FIT Framework for its Corporate Stock. Apply for external sources of funding for capital expenditure works and project management costs such as: <ul style="list-style-type: none"> o PSDS o SALIX Recycling Fund o Low Carbon Skills Fund o Carbon Offset Funds 	High consumption and priority sites identified Invest to save projects business cases developed (e.g. smart power downs, rent-a-roof etc.). Positioning statement on asset life cycle management and low carbon replacements Installation of proposed energy and carbon saving technologies	Identified carbon savings to be confirmed	Ongoing: 20 tco2e (0.4%) reduction across all sites Ongoing: PSDS Phase 3c- Corporate: <ul style="list-style-type: none"> Sites: 4 Est. 818 tCO2e/yr savings (14%) £5.7m funding awarded (£6.5m total) Completed: SELCE PV Thamesmere and Coldharbour leisure centres – 12 tco2e/yr savings
1.7					Shop Units (HRA Owned): Identify and deliver energy efficiency projects via programme of retro-fit works				
1.8					RBG Managed Industrial Estates: Identify and deliver energy efficiency projects via programme of retro-fit works				

Buildings

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1.9	Capital Projects & Property Maintenance	Operational	All Council corporate, maintained schools, community centres, shop units (HRA Owned), industrial estates stock is de-carbonised and energy efficiency is improved.	5.2 kt CO2e/yr	Maintained Schools: Identify and deliver energy efficiency projects via programme of retro-fit works for maintained schools	<ul style="list-style-type: none"> Energy audits conducted across entire maintained schools: to include asset management plan (end of life planning), turnkey energy efficiency measures per premise are outlined in a decarbonisation plan. Develop business case to pilot a schools' decarbonisation programme - look to onboard as many schools as possible to deliver economies of scale. Programme may also include monitoring equipment (verify co2 savings), educational development (behavioural change). All educational initiatives and changes to curriculum must evidence carbon savings if funded by RBG. Always align with Salix funding streams where possible. 	Works delivered according to Salix criteria and satisfaction of the Council.	£2m investment 7 selected schools Approx. 300 tco2e savings	Ongoing: 464 tCO2e (8.2%) reduction In Progress: PSDS Phase 3c Schools <ul style="list-style-type: none"> 3 sites Est. 147 tCO2e/yr savings (3%) £973,267 funding awarded (£1.7m total) Completed: SELCE PV Install: <ul style="list-style-type: none"> 2 sites (Mulgrave & Bannockburn) 14tco2e/yr savings
1.10		Operational		TBC.	Water Emissions: Reduce emissions arising from water usage across all council buildings	<ul style="list-style-type: none"> Discuss water management data capture with utility company Check invoicing processes with supplier Record consumption and baseline emissions Identify priority areas Implement cost-effective water saving measures 	Water emissions calculated Saving measures identified for business case development	Water emissions calculated	Not Started.
1.11		Operational	Minimum energy efficiency standards are enforced.	1.1 kt CO2e/yr	Street Lighting Emissions	<ul style="list-style-type: none"> Continue to finalise existing upgrade programme to offset remaining consumption Investigate any further energy saving opportunities Develop business case for switch to renewable energy tariff 	Number of streetlights replaced kWh savings Financial savings Carbon savings	Delivery of next street lighting upgrade phase.	Ongoing 673 ktco2e (3.4%) reduction on previous year.

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1.12	Carbon reduction by small and medium enterprises	Borough	Maximise impact from carbon reduction measures for business, employment and local economy	222 kt CO2e/yr.	Programme of business support for SMEs to reduce carbon emissions. Funding to be secured	<p>Explore funding to explore funding to commission business support/engagement services. Subject to the results of this process, contractor services <i>may</i> include:</p> <ul style="list-style-type: none"> Low Carbon Business Support "Ecosystem": business support to provide low-carbon business advice to the commercial sector. Support community/3rd sector organisations in grant funding applications to external agencies that directly support the delivery of the CNP. Auditable carbon reduction measures for validation such as business support through a Greenwich Net Zero Charter (e.g. Groundwork Carbon Charter). Waste Reduction & Promote Circular Economy guidance to local businesses - including 5 CE business models and circular procurement. Reduce emissions arising from commercial waste through better resource management. Draft business case for a review of commercial waste activity of those organisations with contracts outside of RGB. Identify any revenue generating opportunities. 	<p>No of bids supported, no. of business supported with advice (subject to receipt of funding - no funding currently available).</p> <p>Possible CO2 calcs</p>	<p>Market research conducted.</p> <p>Decision to proceed to procure made.</p>	<p>Ongoing: Greener Greenwich skills/learning hub funded by the local Skills Improvement Fund. Green Skills provision in the new Greenwich Park centre</p> <p>Completed: SELCE Hotel PV Install 15 tco2e/yr</p> <p>Completed: 4 retrofit courses with 17 residents achieving level 2 qualifications.</p> <p>Completed: Greener Greenwich Business Summit:</p> <ul style="list-style-type: none"> Over 160 delegates attended 61% of delegates committed to developing a climate action plan 53% favoured retrofit measures to reduce carbon 57% committed to developing a green travel plan
1.13	Built Environment in Education Sector	Borough	<p>All non-maintained schools and other education settings for children and young people are decarbonised and energy efficiency improved.</p> <p>All projects are managed so as to add maximum flexibility to the grid. Minimum energy efficiency standards are enforced.</p>	31% of quantified borough emissions	Encourage all education settings for children and young people to undertake energy efficiency retrofits and low carbon heating systems in non-maintained educational buildings where it is technically feasible by 2030.	<p>Educational Facilities:</p> <ul style="list-style-type: none"> Encourage educational facilities to undertake energy audits: to include asset management plan (end of life planning), turnkey energy efficiency measures per premise are outlined in a decarbonisation plan. Assist schools and other education settings for children and young people in applications for grant funding schemes. Provide ad hoc advice where necessary. Lobby on behalf of schools for more funding 	<p>No. sessions per financial year with premises' facilities managers</p> <p>No. schemes accessed by non-maintained educational which are promoted by RBG</p>	<p>No. sessions per financial year with schools' facilities managers</p> <p>No. schemes accessed by non-maintained schools which are promoted by RBG</p>	<p>Ongoing: 4 sessions held per year (minimum)</p> <p>In Progress: UCL <i>Climate Ambassadors</i> Programme</p> <ul style="list-style-type: none"> DfE-funded programme supporting education settings to develop and implement Climate Action Plans. 5-10 Greenwich Schools to take part in a funded pilot project. Recruit and train appointed ambassadors who will be trained to work with school staff to co-produce climate action plans through a 6-8 week programme <p>Completed: SELCE PV Install</p> <ul style="list-style-type: none"> 2 sites (Charlton Park Academy & Alderwood) 18tco2e/ye savings

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New Development									
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2.1	Local Planning criteria	Borough	Planning conditions set by The Council encourage low carbon and sustainable development across the borough: 1) All major developments are deemed net zero operational emissions. CE statements assessed where required. 2) All minor developments strongly encouraged to follow major development criteria. Zero-carbon heat networks serve 13,000 homes, 10% of the borough's heat demand.	Future emissions potential (by 2030) (approx. 50ktCO2e/yr)	Establish carbon recording process via S106 Payments	<ul style="list-style-type: none"> Process map of payment collection, carbon savings and carbon remaining for offsetting. Develop master record document of payments and carbon savings 	Carbon savings per development recorded and CO2 equivalent for offsetting also recorded.	Process map established Master document produced	In Progress: Strategy, Process Map Master Document Map drafted
2.2	Local Planning criteria	Borough			Produce Carbon SPD and scope/evaluate options for Local Plan review	<ul style="list-style-type: none"> Appoint consultant to produce carbon SPD. Consult Sustainability Team as required. 	Qualitative description of progress evaluation complete	SPD produced, aligned to Carbon Neutral Plan. Scoping activity complete, for new Local Plan to address 'carbon neutral agenda'	In Progress: Climate Resilience SPD
2.3	Local Planning criteria	Borough			Strengthen Local Plan to deliver zero carbon development – including requiring heat network connections, (or buildings ready for heat network connections), in Heat Network Priority Areas or prioritising low carbon communal or individual heat systems in all buildings where it is technically feasible	<ul style="list-style-type: none"> Ensure any progress/developments to the Borough's district heat network studies are reflected in local planning guidance given Continue to progress to detailed project design for DH networks Manage the planning dimensions of District Heat Network Development Include local EV charge point criteria Increase planning officer understanding and capacity to negotiate higher standards Investigate tiered offset price for S106 contributions in Local Plan proposals Ensure Biodiversity Net Gain processes and submissions are collected Public consultation 	Policy published	Total energy use intensities for: <ul style="list-style-type: none"> residential buildings of 35 kWh/m2, educational buildings of 65 kWh/m2 all other non-residential buildings of 55 kWh/m2. 	In Progress: Draft Local Plan out for consultation end of October 2024. Extension - due be finalised by Dec 2026.
2.4	Planning Criteria: Carbon Sequestration	Borough	Green and resilient borough	95 kt CO2e/yr Residual emissions for offsetting	Biodiversity Net Gain Policy enforcement mitigates ecological loss from development	<ul style="list-style-type: none"> Identify Officer capacity to review S106 and biodiversity statements. Establish statement review process. Draft positioning statement on adoption of BNG criteria, including justification on any requirements considered above the minimum threshold placed therein. 	Policy Drafted and Adopted BNG Criteria followed	Policy Drafted and Adopted	Started: Training/Workshop provided to Planning, Parks and Sustainability Colleagues

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Transport									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
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3.1	Transport Strategy	Borough	A 45% reduction in car use in the borough, due to modal shift to public transport and active travel. 51% of all cars in the borough are EV by 2030.	230 kt CO2e/yr, 32% of quantified borough emissions	Transport Emissions Influence and Lobbying: Identify road transport emissions within RBG's control	<ul style="list-style-type: none"> Develop positioning statement on carbon reduction-internal use only Identify all non-RBG and RBG maintained roads and estimate the emissions arising. Produce analysis on what emissions can be reduced where. Use the analysis to identify where to lobby TfL and the government to take action on their assets and to also provide funding for RBG maintained assets. 	Finalisation of strategy % of transport emissions arising from RBG maintained roads Lobbying opportunities identified and aligned with RBG goals.	1 Study completed and % transport emissions identified No. lobbying requests made	In Progress: Market engaged and decision report drafted Ongoing: (At a minimum) 4 formal lobbying requests to South Eastern and DLR Thamesmead extension have been made to central government.
3.2	Parking	Borough			Kerbside Management Strategy Implementation: Encourage sustainable modal shift	<u>Kerbside Management Policy Framework Action Plan commits to delivery:</u> <ul style="list-style-type: none"> Through changes to parking controls, charges, and conditions By the Royal Borough's ongoing parking enforcement activity Through the Royal Borough's accelerated CPZ programme working towards borough wide coverage by 2030 Improvements to facilities for higher priority users (such as pedestrians and cyclists) that allow us to improve the allocation of kerbside space (such as those funded through the Royal Borough's Local Implementation Programme) By shaping new development in Royal Greenwich 	1st year performance reporting established including: Baseline and annual targets under each committed action in the Kerbside Management Policy Framework	<u>Kerbside Strategy:</u> Mayor's Transport Strategy: 58 ktco2e transport emissions by 2041	Completed: Emissions based parking charges implemented with multiple paid for parking schemes have been put in place. In Progress: Emissions baselining will take place after sufficient annual data gathered.
3.3	Active Travel	Borough			Active Travel Policy Implementation: Increase cycling and Walking	<u>Active Travel Policy Commits to:</u> <ul style="list-style-type: none"> Cycling parking - Increase cycle-parking provision Cycling and walking infrastructure: create new, and improve existing, cycle network and walking routes throughout the borough, including looking for resources to conduct a feasibility assessment for new strategic river crossings suitable for cyclists and pedestrians School Streets continue to be expanded – subject to costs. Prioritisation matrix completed for further identification. 	Active Travel Policy Measures: Cycling: 7 actions performance reporting established, baseline and annual targets. Walking Network: 3 actions performance reporting established, baseline and annual targets. Traffic Management: 2 actions performance reporting established.	300% increase on current levels, 80% of trips by walking, cycling and public transport. 1 Prioritisation Matrix Completed, next priority schools street identified.	Completed: Data collection completed by early 2024 In Progress: Prioritisation Matrix – case study being completed by end of Jan 25. In Progress: Decisions on the continuation of the existing School Streets trial schemes are still to be made

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3.4	Borough Commuting incl. Business Travel	Borough			Business Travel Planning: encourage businesses to implement sustainable travel policies	<ul style="list-style-type: none"> Encourage employers to conduct travel surveys and review transport policies 	<p>% of trips by public transport, walking, cycling amongst participants</p> <p>Fraction of private powered vehicle trips where vehicle has internal combustion engine-</p>	<p>80% of trips by walking, cycling and public transport.</p> <p>reducing share of ICE vehicle trips in remaining 20% of trips.</p>	<p>Started: Collaborating with TfL to analyse traffic data and promote mode shift from car to active travel and public transport for work commuting. Engagement with local businesses in Greenwich to identify opportunities for sustainable delivery interventions.</p>
3.5	Electric Vehicles	Borough	<p>A 45% reduction in car use in the borough, due to modal shift to public transport and active travel</p> <p>51% of all cars in the borough are EV by 2030</p>	<p>230kt CO2e/yr,</p> <p>32% of quantified emissions from the borough</p>	Electric Vehicle Policy Implementation: Increase EV ownership numbers	<p><u>Electric Vehicle Policy Action Plan commits to:</u></p> <ul style="list-style-type: none"> Overall facilitator of borough's EV transition to minimise transport based emissions Build or facilitate equitable public charging network Investigate feasibility of electric charging / options appraisal Appraise securing an EV main partner Consistent policy and regulatory reviews Lead by example and electrify own fleet Provide an enabling policy environment to allow for residential charge point uptake – appraise gully charging arrangements EV charging from home supplies: Explore options for safely charging on-street from domestic power supplies. We will evaluate existing trial schemes, such as gullies for charging cables, their role and feasibility for trial in Royal Greenwich. 	<ul style="list-style-type: none"> The charging network in the Borough is efficient and is developed in a timely manner The uptake of electric vehicles is predominantly by key user groups in the Borough and does not undermine the modal shift to walking, cycling and public transport An equitable charging network that is accessible for all residents in the Borough A charging network which is accessible for all user groups and does not inhibit pedestrian movement. Charging point applications are reviewed at pace and regulations are enforced. A successful communications campaign which encourages behaviour change and the transition to electric vehicles 	<p>Public charge points:</p> <ul style="list-style-type: none"> 200 installed per year. 1,235 - 2,735 by 2030 <p>Home Charge Supplies:</p> <p>TBC. Trials on existing technologies evaluated.</p>	<p>Ongoing: Current borough charge point total: 257 with additional 200 new chargers expected to be installed by end of FY.</p> <ul style="list-style-type: none"> Formal review of Strategy in 2025 Internal procurement ongoing Est. 3000 LEVs registered in the borough LEVI funding with Lewisham is under appraisal.
3.6	Transport	Operational	RBG fleet is ZEV by 2030	2.2 ktCO2e / yr	ZEV fleet by 2030	<ul style="list-style-type: none"> Obtain consultants to develop delivery plan for depot fleet electrification, along with other ancillary investment required in Birchmere depot. Use of low carbon (well-to-wheel) fuels in the interim to electrification 	<p>CO2 savings from reduction in fuel use</p> <p>% ZEV vehicles</p>	100% ZEV vehicles by 2030	Ongoing: 5.5% of Fleet is EV

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3.7	Sustainable/Green Infrastructure	Borough	Greenwich's transport network will be resilient to climate change and future trends and uncertainties.	N/A - Enabling	Highways infrastructure: Sustainability and Resilience	<u>Transport Strategy commits to:</u> <ul style="list-style-type: none">Working with the London Climate Change Partnership's Transport Adaptation Sector Group to ensure our street network and transport system works during extreme weather events.Working with local NHS, local businesses and communities around messaging on travel, to ensure they reinforce our Transport Strategy and Carbon Neutral Plan.Support sustainable asset management: alignment of asset management practices with climate adaptation requirements.	<ul style="list-style-type: none">Draft flood risk management planEnsure aligns with local planning documents (SPD, Local Plan)Flood and heat map risk analysisCarbon impact analysisFinancial impact analysisDevelop business case,If viable: Trial technologies including Sustainable Underground Drainage (SUDs, tree canopy cover etc.)	Green Infrastructure and Adaptation Report with recommendations established	In Progress: Strategies/Plan Updates to: <ul style="list-style-type: none">Surface Water Management PlanFlood Risk StrategySched. 9 – SUDs development in local planning guidance.Highways Infrastructure Asset Management Plan – incl. whole life assessment
3.8	Staff Travel incl. Business	Operational	RBG staff use zero/low carbon transportation when commuting and when conducting Council business	0.3 ktco2e	Staff travel: RBG staff use zero/low carbon transportation when commuting and when conducting Council business	<ul style="list-style-type: none">Information gathering exercise to estimate commuting emissionCalculate business travel emissions using internal dataInvestigate staff parking policy arrangementsMarket research other local authoritiesImplement travel policy review's findings to encourage low/zero carbon travel	<ul style="list-style-type: none">Survey released to staffEmissions calculatedMarket research conducted	<ul style="list-style-type: none">Evidence carbon reductions through policy and behaviour change.CO2 target TBC.	Completed: Staff survey on travel/commuting arrangements: <ul style="list-style-type: none">54% of staff commute via low carbon/public transport.42% commute via car4% car share Completed: est. 0.3 ktco2e commuting emissions

Energy Supply									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
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4.1	Heat Supply	Borough	Zero-carbon heat networks serve 13,000 homes, 10% of the borough's heat demand.	<i>Future emissions potential by 2030</i> (approx. 50kt CO2e/yr)	Heat Network Commercial Studies: Identify, appraise and develop DH networks in suitable locations across the borough	<ul style="list-style-type: none"> Ensure any progress/developments to the Borough's district heat network studies are reflected in local planning guidance given. Carbon SPD and scope/evaluate options for Local Plan review to reflect DH requirements (Autumn 2023) Appoint project manager for DH networks under BEIS Heat Network Delivery Unit (HNDU) funding Continue to progress to detailed project design (DPD) for DH networks 	<p>Clarity of commercial viability</p> <p>Investment in place</p>	Commercialisation stage underway, to be funded by BEIS' HNDU, or ESCO identified that will commit to commercialise the network(s).	<p>Completed: Project Management, Commercial, Legal, Techno-Economic consultants appointed</p> <p>In Progress: DPD to be delivered by Summer 2025</p>
4.2	Renewable Electricity	Borough	Maximise local generation potential with all appropriate technologies	<i>Future emissions potential</i> 145 kt CO2e/yr (19% of quantified borough emissions)	Local Area Energy Plan: Support development of a Local Area Energy Plan which maximises local generation of renewables and waste heat based on technical feasibility studies, use of waste heat and low carbon heat network connections.	<ul style="list-style-type: none"> Work collaboratively with the GLA and boroughs in South London consortium to develop the sub-regional energy plan Identify and appraise suitability of all appropriate technologies in locations across the borough Set up data collection protocol and manage, develop and cost UKPN emissions portal. Identify resources for possible stage 2 implementation. Align all opportunities with existing projects where possible (e.g. Heat Network supporting information and data). Undertake costs and impact analysis and forecasting of each proposed measure to ensure externalities are accounted for. 	<p>Sub-regional report produced.</p> <p>Opportunities identified and costed where reasonable.</p>	Business case developed for deliberation	<p>Completed: Phase I report</p> <p>Ongoing: Building emissions forecasting functionality with UKPN portal</p> <p>Started: Phase II costs currently being determined</p>

Circular Economy									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
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5.1	Household Waste	Borough	<p>London Environment Strategy Targets:</p> <p>65% municipal recycling rate by 2030 (made up of 50% household waste and 75% non-household waste recycling rate by 2030)</p> <p>RBG <i>Aspirational</i> Reduction of Emissions Arising from Borough Waste</p> <p>Zero waste sent to Landfill by 2030</p> <p>632 kg total waste produced per household</p> <p>70% recycling rate</p> <p>30% sent to Energy from Waste</p>	<p>Total borough waste emissions:</p> <p>0.5 ktCO₂e</p>	Reduce emissions arising from household waste	<ul style="list-style-type: none"> Establish sources of waste diverted to landfill and develop action plan to work to aspirational target. Implement fortnightly refuse collection (February 2023). Promote waste minimisation via a range of regional and national campaigns, a variety of communication media, via reuse apps, Library of Things and Repurpose (reuse shop). 	<p>CO₂ savings from waste reduction activities.</p> <p>% reduction of waste quantity/ household (baseline: 972kg municipal waste/household 2019-20)</p>	<p>5.5% reduction in household waste arisings by end of 2025</p> <p>ASPIRATIONAL:</p> <p>zero waste to landfill by 2030</p> <p>632 kg total waste produced per household</p>	<p>Completed</p> <ul style="list-style-type: none"> Fortnightly refuse data collection <p>Ongoing</p> <ul style="list-style-type: none"> Total household waste reduced by 9% kg per capita reduced to 337.18 which is an overachievement by 18.74kg Refuse fell by 2104 tonnes (-191%) 1ktco₂e (162%) saved on previous year
5.2	Household Waste	Borough			Increase recycling rates from household waste	<ul style="list-style-type: none"> Implement stricter contamination policy (November 2022), fortnightly refuse collection/no side waste policy (February 2023). Review planning guidance for new developments Reinstate WEEE and textile collections from kerbside Properties and flatted developments with facilities. Subject to DEFRA 'consistency' consultation response, introduce food waste collections to all property types. Review and align with DEFRA's forthcoming waste strategy. Deliver pan-London food waste comms campaign Promote recycling via a range of regional and national campaigns, a variety of communication media and face-to-face visits. 	<p>CO₂ savings from waste reduction activities.</p> <p>% household recycling rate (baseline 33.2% 2019-20)</p>	<p>5% increase in household waste recycling rate by end of 2025</p> <p>ASPIRATIONAL:</p> <p>70% recycling rate</p> <p>2019 baseline - 33.2% recycling rate</p>	<p>Ongoing</p> <p>29% household recycling rate</p> <p>The following interventions are being tested:</p> <ul style="list-style-type: none"> 18 x reverse lidded bins 4 x twin stream bins 17 x recycling bins with slam locks Replace 10 x recycling bins with new containers Fully refurbish 37 x recycling bins Replace 20 x general waste bins due to their condition <p>Ongoing: Library of Things</p> <ul style="list-style-type: none"> £47,143 saved by residents 2.7t of waste diverted 7.2 tco₂e saved
5.3	Household Waste	Borough			Provide consultation for energy from waste studies	<ul style="list-style-type: none"> Support heat network feasibility DPD studies (energy from waste plants) with data provision on an ad hoc basis 	Data provided to ad hoc requests	Data provided	Ongoing

Circular Economy									
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5.4	Sustainable Food: Improving production and reducing consumption and waste	Borough	Reducing food waste and encouraging sustainable consumption	Total borough waste emissions: 0.5kt CO2e	Work with organisations across the borough to procure and operate within the Good Food in Greenwich guidelines; promoting sustainable, healthy and affordable food and food waste reduction	<ul style="list-style-type: none">Continue to track use of surplus food by the Greenwich Food Action AlliancePromote and support food growing opportunities across the borough.Move from RBG as a Silver level 'Sustainable Food Place' to Gold levelPromote and support food growing opportunities in educational settings - children's centres/schools Track use of surplus food by the Greenwich Food Action AllianceRetain existing level and seek to achieve next level of 'Sustainable Food Place'	Food environments KPIs re GFiG charters (coverage based) Sustainable Food Place level achieved	<ul style="list-style-type: none">Support 25 settings to implement the Good Food in Greenwich CharterEngage 30 new partners annually to be part of the GFiG partnershipSupport 20 settings annually to make GFiG pledges.Support 10 community based organisations to develop food growing sites.Deliver 4 structured 4-week food growing training sessions per year.All children's centres supporting growing/gardening.Ten schools with Silver level FFL.New Good Food in Greenwich model developing - target to be agreed.	In Progress <ul style="list-style-type: none">30 charters achieved: 20 food businesses, 6 community charters and 4 retail charters18 new partners have joined GFiG partnership5 community gardens maintainedDelivered 100% of sessionsNo longer delivered by RBG. All schools who commission Chartwells receive Bronze FFL meals served here Family Action FOOD club: <ul style="list-style-type: none">1358 users201.6 tCO2 saved
5.5	Green Waste as Mulch	Operational	100% Parks green waste reused		The Council's Parks green waste will be managed and returned to the soil as mulch	<ul style="list-style-type: none">Fob system hardware installed at Hollbrook Yard	500 Tonnes of green waste returned to the soil.	100% Green Waste	Completed: 100% Green Waste mulched

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Natural Environment									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
Act No.	Emissions Sector	Borough or Operational (Council) Emissions	2030 Aspirational Objective	Carbon Reduction Target	Areas of Action up to 2030	Interim Actions up to 2025	Measure of Progress	Target	Action Status/ Progress to Date
6.1	Biodiversity Enhancement	Borough	Green and resilient borough	95 kt CO2e/yr Residual emissions for offsetting	Parks Conservation Grass Programme	The project will continue to be reviewed and include not only Park sites but also Housing sites Accurately measure area of parks and cemetery spaces maintained as conservation grass areas and fine tune maintenance regime to ensure enough space for recreation	Hectares of conservation grassland	Review RBG housing estates maintenance programs to identify opportunities for new conservation areas on estates – subject to funding.	Ongoing: 100 hectares of conservation grassland including: <ul style="list-style-type: none">• 26 park/cemetery conservation grass areas• equates to approximately 35% -40% of the RBG parks green space
6.2	Tree Planting	Both			Tree planting, + 300 individual trees, per annum. Additional 5000 trees planted through woodland creation by 2024/2025 (Corporate Plan).	Woodland Establishment: Identify and investigate suitable areas in the borough for Woodland planting: <ul style="list-style-type: none">• Commence planting of whips and delivery of establishment maintenance (DEFRA funded).• Consult and contribute to RBG Biodiversity Plan - including commentary on tree/woodland establishment and carbon sequestration.• Commission I-Tree analysis of canopy cover, ecosystem benefits an opportunity mapping with ONS data..	Sites identified Number of trees planted per FY. Number of whips planted as part of woodland creation planting.	5000 new trees by 2026	Started: Tree planting programme 2024/25 commencing in November Completed: Urban Canopy Cover <ul style="list-style-type: none">• 7400 tco2 sequestered per annum (street trees)• 88.7 ktco2e total sequestered• £31m in calculated annual benefits
6.3	Grounds Maintenance	Operational			Restore habitats and green infrastructure across estate, deliver an on-site biodiverse net gain	<ul style="list-style-type: none">• Appraise and evaluate successes of grass verges rewilding project• Conduct service review of existing maintenance practises - identify areas for improvement and develop business case for investment	Total area of grass verges regenerated.	Successes evaluated Business case developed	In Progress: Local Nature Recovery Strategy (LNRS) consultation and engagement with GLA
6.4	Parks Maintenance	Operational	100% of hand tools are electric by 2030	0.09 kt co2e	Reduce parks emissions - via transfer to battery-operated hand tools from 2-stroke hand tool	<ul style="list-style-type: none">• Review existing practises, charging infrastructure and current business case to continue transition. Currently 32.7% of hand tool fleet is battery powered.	% of hand tools that are battery total carbon mitigated from switching to electricity.	75% by 2028 100% by 2030	Ongoing: 38% complete, unchanged from previous reporting period

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Empowering Wider Change									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
Act No.	Emissions Sector	Borough or Operational (Council) Emissions	2030 Aspirational Objective	Carbon Reduction Target	Areas of Action up to 2030	Interim Actions up to 2025	Measure of Progress	Target	Action Status/ Progress to Date
7.1	Strategic and Governance	Both	Support for the Council's action on climate has remained strong and behaviour change initiatives have been successful	N/A - Enabling	Implement Stage 2 and 3 delivery of the Council's CNP.	Monitor, review and update Carbon Neutral Plan to optimise carbon reduction	CNP progress reports, governance structures in place	Annual CNP report published	Ongoing: Annual performance reports
7.2		Both			Staff training: Implement climate literacy course as part of staff induction process	<ul style="list-style-type: none">Working with the Sustainability Team, develop online content for approval.Estimate project costs.In co-ordination with Sustainability Team - deliver periodic workshops on Climate literacy and RBG's CNP Policy	No. staff completed induction climate training	100% newly inducted staff complete training within X months of joining	Started: Market research conducted for external delivery appraisal. In-house climate literacy content drafted.
7.3	Climate Comms	Both			Communications Plan: Communications support across CNP initiatives and actions requiring public and stakeholder engagement	<ul style="list-style-type: none">Consult Design Team for CNP branding.Identify CNP actions requiring comms support.Develop high level CNP communications plan with Sustainability TeamWork with Sustainability Team to establish stakeholder feedback processes to estimate carbon savings	CNP comms plan signed off	CNP comms plan signed off	Started: Comms plan first draft underway
7.4		Borough			Residents' Personalised Carbon Tracker: Appraise app to “gamify” residents’ climate action and encourage sustained behavioural action. Include CE initiatives for waste reduction. Assess value for money.	<ul style="list-style-type: none">Market research into available products for community/individual engagementIf value for money, procure and promote services to the Borough.Promote events through app and encourage behavioural change.	Market research conducted & Decision to procure taken. If above achieved, qualitative and quantitative data on climate action Record anonymised data	Numerical metrics to be set after implementation and baselining	Completed: Market research has determined that initial set-up and ongoing annual license fees are cost prohibitive.
7.5		Both			Community Events to promote climate action and/or sustainability presence at community engagement events to promote climate action	<ul style="list-style-type: none">Develop CNP content to promote from event stalls.Trial event and lessons learnt for improvement.Behaviour change captured through established process.Continue Greenwich Climate Networking Group events and develop subgroups to mobilise interest on specific climate themes	No. events held Est. carbon savings. Climate Networking Subgroups held	At least 2 Climate Networking Groups per annum, At least 1 subgroup meeting per annum	Ongoing: 1 meeting held in Winter 2023. Further sessions have been postponed due to multiple PEP directives. Completed: Greener Greenwich Summit, March 2024
7.6		Both			RBG Website is up to date with Council's climate action progress	Sustainability Team to review website's content and recommend changes to web team. Changes made if acceptable.	Website contents periodically updated	Main page updated annually, press releases on an <i>ad hoc</i> basis as agreed to in Comms plan	Completed: New Action Plan uploaded and content updated. Ongoing: Annual update webpage contents after reporting period finalised

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Empowering Wider Change									
		2030 Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
Act No.	Emissions Sector	Borough or Operational (Council) Emissions	2030 Aspirational Objective	Carbon Reduction Target	Areas of Action up to 2030	Interim Actions up to 2025	Measure of Progress	Target	Action Status/ Progress to Date
7.7	Council Procurement	Both	Support for the Council's action on climate has remained strong and behaviour change initiatives have been successful	666 ktCO2e (Scopes 1,2&3)	Integrate low carbon criteria into Council procurement and achievement of social value	<p>Council Meeting Papers: All Council reports available to the public to include a carbon impact section and estimated savings where possible.</p> <p>Sustainable Procurement Toolkit: Develop a suitable toolkit for RBG to improve contract environmental standards and performance. Trial on relevant procurement exercises.</p>	<p>No. reports including carbon impact statement.</p> <p>Toolkit developed</p>	<p>100% of reports with statements</p> <p>1 options appraisal report</p>	<p>Completed: All reports requires Climate Changes statement</p> <p>In Progress: Collaboration with UCL on:</p> <ul style="list-style-type: none"> Insights Report for Net Zero Tools and Toolkits Developers/Commissioners Policy Brief on Local Authorities Scope 3 Emissions Reporting Guidance for local authorities on net zero tools/toolkits with Scope 3 measurement
7.8	Low Carbon job creation	Borough	Maximise impact from carbon reduction measures for business, employment and local economy	<p>222 kt CO2e/yr</p> <p>31% quantified emissions from the Borough</p>	<p>Develop a job creation scheme providing placements to support routes into the Low Carbon Sector - subject to funding - no funding currently available.</p> <p>Advice service/retrofit programme</p>	<ul style="list-style-type: none"> Local London sub-regional partnership: Continue to deliver against Local London's sustainability "delivery pillars" including: green skills provision, attracting green investment and schools engagement sessions. Review Parity Projects employment potential data - broken down by industry and skills. Align with RSL and Housing & Community Safety/DRES housing construction and facilitated construction programmes to ensure skills shortages are set in context of RBG position. 	<p>No. of training sessions provided by partners, provision of skills analysis report in context of RBG housing construction programme.</p> <p>Provision of annual report on industry skills in relation to housing construction projections</p>	<p>Aspirational: 20 work experience job placements per year until 2030 - subject to funding - no funding currently available</p>	<p>Ongoing:</p> <p>UKSPF delivered:</p> <p>X 1 Level 4 Retrofit Assessment and Risk Management</p> <p>x 1 Domestic Energy Assessor</p> <p>x 1 Level 3 Retrofit Assessor</p>

Empowering Wider Change									
		Objectives, CO2 Target, Actions, Interim Actions					Performance Monitoring		
Action No.	Emissions Sector	Borough or Operational (Council) Emissions	2040 Aspirational Objective	Carbon Reduction Target	Areas of Action up to 2040	Interim Actions to 2025	Measure of Progress	Target	Action Status/ Progress to Date
7.9	Council Pension Fund Investment	Operational Scope 3 emissions	The Council's pension fund is divested from fossil fuels and opportunities to find investments with a positive climate impact have been sought.	666 ktCO2e (Scopes 1,2&3)	Transition from fossil fuel to sustainable investments	Measure the carbon footprint of fund and develop reporting in line with the Taskforce on Climate Related Financial Disclosures (TCFD)	Investment in impact investment such as renewable infrastructure Report to the Pension Fund Investment and Administration Panel on initial engagement with investment managers and other providers regarding carbon foot printing	100% investment of £42.5m within the LCIV Renewable Infrastructure Fund Provider appointed to measure the carbon footprint of the fund	Completed: Committed £42.5m in the London CIV Renewable Infrastructure fund to support divestment. • Achieved a 52% reduction in carbon emissions relative to the fund originally held. Completed: Report published Ongoing: Aims for 7% annual reduction of committed funds.
7.10	Council Pension Fund Investment	Operational Scope 3 emissions			Partner with other London Boroughs through the LCIV to create new sustainable investments		Officers to participate in seed investor group meetings to set up a low carbon equity fund	Launch LCIV low carbon equity fund	In Progress: Nature Based Solutions Fund via LCIV. Decision to be taken March 2025. Ongoing: Greenwich Green Investment Loan has raised £197k from 232 investors.

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