

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	All Council-owned homes are net zero carbon emissions (scopes 1 and 2) by 2030.  All projects are managed so as to add the maximum possible flexibility to the grid.  Minimum energy efficiency standards are enforced	61 ktCO2e/yr,  9% of quantified borough Emissions  plus  7.2 ktCO2e/yr Temp. Accom.  (32% of Operational Emissions)	<p><b>Council Rented Properties, Sheltered and Temporary Accommodation:</b></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, <b>at the same time</b> 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"> <li>Establish net zero retrofit and decarbonisation programme showing year-by-year targets (2023) and implement projects according to programme</li> <li>Deliver SHDF Wave 2.1: EPC C for 665 homes (delivery deadline September 2025)</li> <li>Apply for all relevant funding streams available</li> <li>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</li> <li>Implement energy monitoring for representative schemes: e.g. communal heating systems, representative archetypes across the borough</li> <li>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</li> </ul>	CO2e saved (est. or actual). EPC data	<p><b>55-60%</b> council-owned homes to EPC C by 2030.</p> <p><b>100%</b> leasehold homes to meet minimum EPC requirements for 2025.</p> <p>Boiler replacement targets (where technically feasible):</p> <ul style="list-style-type: none"> <li><b>100%</b> council owned homes are to be served by a heat pump or a low carbon heat network by 2035.</li> </ul>	<p><b>Ongoing:</b> Council Owned Homes EPC Breakdown:</p> <p>&lt;1% EPC A, B ~50% EPC C ~46% EPC D ~4% EPC G, F, E</p> <p><b>Ongoing:</b> 5 Year Investment Plan</p> <ul style="list-style-type: none"> <li>40 Communal boiler upgrades/replacements – 12 tco2e/yr</li> <li>725 individual boilers replaced – 225 tco2e/yr</li> <li>267 windows replaced – 113 tco2e/yr</li> <li>70 homes connected - 56 tco2e/yr saved</li> </ul> <p><b>Ongoing:</b> 20% connected to a heat network</p> <p><b>In Progress:</b> SHDF Wave 2.1</p> <ul style="list-style-type: none"> <li>86/665 completed properties</li> <li>On track for completion by September 2025</li> <li>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</li> <li>Est. 98 tCO2e/ yr</li> </ul> <p><b>Ongoing:</b> Temporary Accommodation</p> <ul style="list-style-type: none"> <li>130 tCO2e (1.8%) reduction</li> </ul>
1.2	Council Housing	Operational	Progress is monitored/verified by relevant, representative metered data		<p><b>Council Leasehold Properties:</b></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><b>Domestic Renewable Energy Tariffs and Generation: (where financially appropriate);</b> encourage households to opt for energy tariffs tied to renewable energy generation, such as REGOs.</p>			If markets are stable – resume Big London Energy Switch	<p><b>Not Started:</b> On hold until market volatility improves</p>

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

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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.	5.8 ktCO2e/yr  (Corp. stock, community centres, shop units, industrial estates)	<b>Corp. Stock:</b> Identify and deliver energy efficiency projects via programme of retro-fit works for corporate stock.	<ul style="list-style-type: none"> <li>Monitor developments on national discussion of renewable energy tariffs.</li> <li>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).</li> </ul>	High consumption and priority sites identified	Identified carbon savings to be confirmed	<b>Ongoing:</b> 20 tco2e (0.4%) reduction across all sites  <b>Ongoing:</b> PSDS Phase 3c- Corporate: <ul style="list-style-type: none"> <li>Sites: 4</li> <li>Est. 818 tCO2e/yr savings (14%)</li> <li>£5.7m funding awarded (£6.5m total)</li> </ul> <b>Completed:</b> SELCE PV  Thamesmere and Coldharbour leisure centres – 12 tco2e/yr savings
1.7					<b>Shop Units (HRA Owned):</b> Identify and deliver energy efficiency projects via programme of retro-fit works	<ul style="list-style-type: none"> <li>Gap analysis on reaching net zero: financial, technological, policy (grid 2035),.</li> <li>Gather accurate energy usage data across the portfolio and analyse to identify priority high energy use buildings</li> </ul>	Invest to save projects business cases developed (e.g. smart power downs, rent-a-roof etc.).		
1.8					<b>RBG Managed Industrial Estates:</b> Identify and deliver energy efficiency projects via programme of retro-fit works	<ul style="list-style-type: none"> <li>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"</li> <li>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.</li> <li>Apply for external sources of funding for capital expenditure works and project management costs such as:                             <ul style="list-style-type: none"> <li>o PSDS</li> <li>o SALIX Recycling Fund</li> <li>o Low Carbon Skills Fund</li> <li>o Carbon Offset Funds</li> </ul> </li> </ul>	Positioning statement on asset life cycle management and low carbon replacements  Installation of proposed energy and carbon saving technologies		

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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	<b>Maintained Schools:</b> Identify and deliver energy efficiency projects via programme of retro-fit works for maintained schools	<ul style="list-style-type: none"> <li>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.</li> <li>Develop business case to pilot a schools' decarbonisation programme - look to onboard as many schools as possible to deliver economies of scale.</li> <li>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.</li> <li>Always align with Salix funding streams where possible.</li> </ul>	Works delivered according to Salix criteria and satisfaction of the Council.	£2m investment 7 selected schools Approx. 300 tco2e savings	<b>Ongoing:</b> 464 tCO2e (8.2%) reduction  <b>In Progress:</b> PSDS Phase 3c Schools <ul style="list-style-type: none"> <li>3 sites</li> <li>Est. 147 tCO2e/yr savings (3%)</li> <li>£973,267 funding awarded (£1.7m total)</li> </ul> <b>Completed:</b> SELCE PV Install: <ul style="list-style-type: none"> <li>2 sites (Mulgrave &amp; Bannockburn)</li> <li>14tco2e/yr savings</li> </ul>
1.10		Operational	All projects are managed so as to add the maximum possible flexibility to the grid.  Minimum energy efficiency standards are enforced.	TBC.	<b>Water Emissions:</b> Reduce emissions arising from water usage across all council buildings	<ul style="list-style-type: none"> <li>Discuss water management data capture with utility company</li> <li>Check invoicing processes with supplier</li> <li>Record consumption and baseline emissions</li> <li>Identify priority areas</li> <li>Implement cost-effective water saving measures</li> </ul>	Water emissions calculated  Saving measures identified for business case development	Water emissions calculated	<b>Not Started.</b>
1.11	Street Lighting	Operational	Minimum energy efficiency standards are enforced.	1.1 kt CO2e/yr	<b>Street Lighting Emissions</b>	<ul style="list-style-type: none"> <li>Continue to finalise existing upgrade programme to offset remaining consumption</li> <li>Investigate any further energy saving opportunities</li> <li>Develop business case for switch to renewable energy tariff</li> </ul>	Number of streetlights replaced  kWh savings  Financial savings  Carbon savings	Delivery of next street lighting upgrade phase.	<b>Ongoing</b>  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.	<b>Programme of business support</b> 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"> <li><b>Low Carbon Business Support "Ecosystem"</b>: business support to provide low-carbon business advice to the commercial sector.</li> <li><b>Support community/3rd sector organisations in grant funding applications</b> to external agencies that directly support the delivery of the CNP.</li> <li><b>Auditable carbon reduction measures</b> for validation such as business support through a <b>Greenwich Net Zero Charter</b> (e.g. Groundwork Carbon Charter).</li> <li><b>Waste Reduction &amp; Promote Circular Economy guidance</b> 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.</li> </ul>	No of bids supported, no. of business supported with advice (subject to receipt of funding - no funding currently available).  Possible CO2 calcs	Market research conducted.  Decision to proceed to procure made.	<p><b>Ongoing:</b> Greener Greenwich skills/learning hub funded by the local Skills Improvement Fund. Green Skills provision in the new Greenwich Park centre</p> <p><b>Completed:</b> SELCE Hotel PV Install 15 tco2e/yr</p> <p><b>Completed:</b> 4 retrofit courses with 17 residents achieving level 2 qualifications.</p> <p><b>Completed:</b> Greener Greenwich Business Summit:</p> <ul style="list-style-type: none"> <li>Over 160 delegates attended</li> <li>61% of delegates committed to developing a climate action plan</li> <li>53% favoured retrofit measures to reduce carbon</li> <li>57% committed to developing a green travel plan</li> </ul>
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	<b>Encourage all education settings</b> 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"> <li>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.</li> <li>Assist schools and other education settings for children and young people in applications for grant funding schemes. Provide ad hoc advice where necessary.</li> <li>Lobby on behalf of schools for more funding</li> </ul>	<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><b>Ongoing:</b> 4 sessions held per year (minimum)</p> <p><b>In Progress:</b> UCL <i>Climate Ambassadors</i> Programme</p> <ul style="list-style-type: none"> <li>DfE-funded programme supporting education settings to develop and implement Climate Action Plans.</li> <li>5-10 Greenwich Schools to take part in a funded pilot project.</li> <li>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</li> </ul> <p><b>Completed: SELCE PV Install</b></p> <ul style="list-style-type: none"> <li>2 sites (Charlton Park Academy &amp; Alderwood)</li> <li>18tco2e/ye savings</li> </ul>

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