

## Appendix 3 Climate and Nature Emergency Action Plan - Year 5 (2024/25)

This action plan sets out work which is being funded through the Climate and Nature Emergency budget for Year 5; work for which external funding is being sought and work which has been identified as a priority to deliver the 'Plan to 2030' recommendations to scale up and expand work in response to the Climate and Nature Emergency. It is not a comprehensive list of all the work being done across the council in response to the Climate and Nature Emergency.

This action plan sets out a portfolio of projects that needs to be matched against the available budget. Where the budget does not cover all projects, the intention is for them to be developed to a stage where they are ready to be delivered pending funding opportunities. Each project will have defined Specific, Measurable, Achievable, Realistic and Timely (SMART) targets and a defined contribution to reducing local inequalities.

- Projects in the white boxes are new projects.
- Projects in the blue boxes are the Year 5 phase of a project started in the year 4 action plan.

The plan is set out under the following themes - cross cutting, buildings and built environment, transport (infrastructure and highways), green infrastructure and nature recovery, renewables, adaptation, and resilience, resources, and waste. Many projects are applicable across several themes reflecting the integrated approach and work of Climate and Nature Emergency Action - this is indicated in the 'purpose' column in the action plan table.

### Project stages defined:

- Prepare – Project planning, this can include data gathering, research and consultation, business case development,
- Develop – Project development, this includes putting in place processes and systems, setting up governance structures, securing resources,
- Implement – Project delivery, outputs produced, putting in place measures or carrying out actions that deliver the aims.

### Plan to 2030 – Area wide recommendations to deliver carbon neutrality.

- Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions).
- Plug gaps in action on decarbonising heat.
- Maximise business engagement in carbon emissions reduction.
- Maximise advice and support for active travel, support electric vehicle charging infrastructure roll-out.
- Work with the Mayoral Combined Authority (plus the national and local highways authorities) to consider adaptation in transport planning.
- Maximise growth of renewable energy across the area.
- Maximise green economic development. Target certain high impact sectors in industry and commerce, and encourage new green tech, services, and businesses to locate in our area.

- Maximise climate and nature policies in the local plan
- Align forces with Mayoral Combined Authority and regional partners to ramp up action across the region.

**Council recommendations to deliver carbon neutrality.**

- Become a carbon neutral council (direct emissions), reduce Scope 3 emissions.
- Embed climate and nature decision making as standard in council processes and ramp up internal and external training.
- Work with organisations across South Gloucestershire on emissions reduction and adaptation.
- Prepare the area and council for the local impacts of a changing climate focus health, vulnerable residents, and infrastructure.
- Carry out the 31 actions for climate councils as identified by Friends of the Earth

Complementing work to deliver the area wide recommendations to deliver carbon neutrality and adaptation and resilience in the Plan to 2030 report, the action plan below also sets out priorities for Green Infrastructure and Nature Recovery for year 5 as agreed in the adopted Green Infrastructure and Nature Recovery Action Plan 2021. To note that progress to reduce inequalities is a theme across all actions in the plan and is included in the annual report and Equalities Impact Assessment to cabinet.

**Climate Emergency Theme: Cross Cutting**

PLANNED ACTIONS (2024/25)	PURPOSE	PROJECT STAGE	INDICATIVE BUDGET
<b>THEME: CROSS CUTTING</b>			
<p><b>Develop, deliver, and embed Climate and Nature Decision Wheel including training for staff - continued</b> Review progress on implementation, consider further roll out, ensure application of the wheel is consistent with the new Council plan, work with the Mayoral Combined Authority as they implement a decision-making system.</p> <p><b>Purpose:</b> To ensure that staff use the decision wheel consistently to get the best outcomes for climate and nature from major council decisions. Put the processes in place for the decision wheel to be used for major council decisions.</p>	Reducing emissions /Adaptation and Resilience/Nature Recovery	IMPLEMENT	£10,000

<p><b>Managing Council Assets (Year 5 phase) - continued</b> Move from percentage trajectory reductions to setting clearer annual CO<sub>2</sub> reduction targets for Scope 1, 2 and 3 managed through Carbon Management Group, ensure the Corporate Estates Management Strategy to drive adaptation and resilience, renewable energy and green infrastructure and recovery.</p> <p><b>Purpose:</b> To ensure that council assets are managed to optimise progress on the councils' targets and commitments in response to the Climate and Nature Emergency.</p>	<p>Reducing emissions /Adaptation and resilience/Nature Recovery</p>	<p>DEVELOP</p>	<p>£10,000 for Natural Capital Assessment work</p>
<p><b>Procurement using the process to drive action - continued</b> Scope 3 – Identify goods and suppliers with the largest emissions providing goods and services to the council and support them to decarbonise, prepare for the local impacts of a changing climate and protect and restore nature making this business as usual. Work with Mayoral Combined Authority to develop support.</p> <p><b>Purpose:</b> To continue to increase the requirements to reduce emissions through our commissioning and procurement of services.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>DEVELOP</p>	<p>£50,000</p>
<p><b>Residual emissions plan rollout - continued</b> Raising expectations on cost of residual emissions to inform business planning. Work with council directorates to look at residual emissions costs and opportunities to reduce emissions.</p> <p><b>Purpose:</b> To establish the cost to offset residual carbon emissions in 2030.</p>	<p>Reducing emissions</p>	<p>PREPARE</p>	<p>£1,000</p>
<p><b>Procurement Training - continued</b> Training to be provided to procurement staff and commissioners and contract managers, (potentially also schools procurement managers).</p> <p><b>Purpose:</b> To support procurement staff, commissioners, and contract managers to drive changes in Scope 3 missions from council goods and services.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>DEVELOP</p>	<p>Within officer resource</p>
<p><b>Independent assessment and monitoring of progress - continued</b> Continue to report using tools such as Carbon Disclosure Project to ensure benchmarking and progress aligns with sector peers.</p>	<p>Reducing emissions /Adaptation and</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>

<p><b>Purpose:</b> To ensure South Glos is maximising the opportunities open to councils to respond to the climate and nature emergency.</p>	Resilience/ Nature Recovery		
<p><b>Communications and Stakeholder Engagement Strategy and Delivery - continued</b> Develop and deliver Year 5 climate and nature communications strategy and deliver events and training where capacity permits. Use Britain Talk’s Climate research to provide some targeted communications.</p> <p><b>Purpose:</b> To broaden engagement across the area in action on Climate and Nature to reduce emissions, prepare for the local impacts of a changing climate, and protect and restore nature and reduce inequalities.</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	IMPLEMENT	£5,000
<p><b>Scaled up partnership working - continued</b></p> <ul style="list-style-type: none"> <li>• Exploring joining regional partnership initiatives</li> <li>• Regional partners – Mayoral Combined Authority and Partnerships such as West of England Nature Partnership</li> <li>• Local Partnership Climate and Nature Group</li> <li>• Town and Parish Councils</li> <li>• Community and Voluntary Sector</li> <li>• SMES and major businesses</li> </ul> <p><b>Purpose:</b> To increase area wide action for climate and nature and communicate that only area wide action will achieve the 2030 area wide carbon neutrality target.</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	IMPLEMENT	£10,000
<p><b>Extend Local Climate and Nature Action Plan/Business toolkits - continued</b> Provide support to increase the numbers of Town and Parish Councils and Businesses undertaking Local Climate and Nature Action Plans.</p> <p><b>Purpose:</b> Maximise town and parish council and business engagement and delivery climate and nature.</p>	Emissions reductions/Adap tation and Resilience/ Nature Recovery	IMPLEMENT	£10,000
<p><b>Strategy and Policy - continued</b> Continue to comment on, input into and influence all Council strategies and plans in 2024/25 to implement Climate and Nature Emergency objectives within the Council Plan’s overarching priorities and commenting on regional strategies and plans.</p>	Reducing emissions /Adaptation and	IMPLEMENT	Within officer resource

<p><b>Purpose:</b> To ensure the common thread that relates to the declaration of a Climate and Nature Emergency is implemented through all strategies and plans.</p>	Resilience/ Nature Recovery		
<p><b>Green Skills and Jobs continued - continued</b> Work with Mayoral Combined Authority to deliver Retrofit West phase 1, 2 and 3.</p> <p><b>Purpose:</b> To ensure the area has the skills and training available so that the workforce that can take up the jobs that are required to deliver on the Climate and Nature Emergency.</p>	Reducing emissions	IMPLEMENT	Within officer resource
<p><b>Carbon baseline data - continued</b> We will continue to update our area wide carbon baseline data annually and initiate further research work as necessary to help inform our decision making and evaluation progress against the carbon neutral target.</p> <p><b>Purpose:</b> Further analysis required to inform Years 5-10 plan.</p>	Reducing emissions	IMPLEMENT	Within officer resource
<p><b>Apply to external funders to deliver Climate, Nature and Adaptation and Resilience Projects - continued</b> Funding will be required to scale up local delivery. Search for and apply to relevant funding for delivery of key aims.</p> <p><b>Purpose:</b> To access available funding to increase delivery of climate and nature emergency aims.</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	DEVELOP	Within officer resource
<p><b>Investing in Climate and Nature Scheme (ICaN) - continued (follows on from the Wild belt Project) - continued</b> Launching and continue to develop our portfolio of investment ready local projects which deliver nature recovery, social, adaptation and resilience improvements which increase and optimise natural capital value.</p> <p><b>Purpose:</b> Securing investment to deliver and maintain local site improvements to deliver climate and nature objectives and increase natural capital value of benefits (environmental and social value).</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	IMPLEMENT	£50,000
<p><b>Adopt new Environmental Policy in line with new Council Plan</b> To align with the new Council Plan, consult on draft policy and take for a decision.</p> <p><b>Purpose:</b> To ensure the council's wider environmental policies are in keeping with highest environmental standards and co-ordinate with the Council's new Local Plan where appropriate and relevant.</p>	Reducing emissions/Nature Recovery	DEVELOP	Within officer resource

<p><b>Schools Carbon and Climate Workshops - continued</b>  Deliver workshops in schools that cover carbon emissions reduction and adaptation and resilience building in schools' relationships to drive further ambition in schools.</p> <p><b>Purpose:</b> To support schools in delivering relevant climate education.</p>	Reducing emissions/Adaptation and Resilience/Nature recovery	IMPLEMENT	£20,000
<p><b>Love your patch - Community Engagement Project Year 2 - continued</b>  Partnership project led by CVS South Gloucestershire and Southern Brooks Partnership with council input to strengthen community action on climate and nature across South Gloucestershire and to carry out deep dives in 2 communities to stimulate action.</p> <p><b>Purpose:</b> To build the movement of community-based organisations acting for climate and nature in South Gloucestershire.</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	IMPLEMENT	Year 2 funding (2-year project)
<p><b>Regional Low Carbon Energy Strategy (decarbonisation pathway) - new</b>  Work with regional partners towards the development of a regional energy strategy.</p> <p><b>Purpose:</b>  To work together across the region to remove barriers to net zero, the energy transition and to support choices that enable a fairer energy transition across the region.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	Within officer resource
<p><b>Sustainable Food Places - new</b>  South Glos to work in partnership with Southern Brooks Partnership and the South Glos Food Alliance to work towards South Gloucestershire becoming a sustainable food place. Awaiting outcomes of the task and finish group on agriculture.</p> <p><b>Purpose:</b> To provide greater resilience in the local food sector.</p>	Reducing emissions /Adaptation and Resilience/ Nature Recovery	DEVELOP	£20,000
<b>THEME: BUILDINGS AND THE BUILT ENVIRONMENT</b>			
<b>PLANNED ACTIONS (2024/25)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE BUDGET</b>

<p><b>Existing building retrofit continued - continued</b> Following the implementation of the works funded by the Public Sector Decarbonisation fund, continue to plan works for the remaining schools in preparation for further rounds of the decarbonisation fund.</p> <p><b>Purpose:</b> To prepare the Council’s school buildings for the decarbonisation of heat and energy in ordered to achieve net zero.</p>	<p>Reducing emissions</p>	<p>DEVELOP</p>	<p>Match funding from Green School component of climate emergency budget</p>
<p><b>Energy Efficiency Program Development - (Year 5 phase) - continued</b> Business plan development for significant roll out of solar PV (Photo Voltaic) for energy efficiency on suitable council owned host buildings. Exploring options to increase funding for council owned building decarbonisation for heating and cooling adaptation and resilience and maximising renewable energy including commercial investment. Decarbonise Council buildings £68 million to decarbonise the whole of the council estate needs a strategy so will be subject to available funding which may impact delivery. Include consideration of offset potential from renewables and land within our own estate.</p> <p><b>Purpose:</b> To ensure that council owned buildings are fit to enable the council to meet carbon reduction targets, ensure buildings are resilient to local climate impacts and maximise renewable energy opportunities.</p>	<p>Reducing emissions</p>	<p>DEVELOP/ IMPLEMENT</p>	<p>Green Schools Budget for heating replacement exploration within officer resource and corporate funding</p>
<p><b>Local Plan Policy Framework Development - continued</b> Ensuring the Council has a clear timetable for the delivery of the Local Plan and Supplementary Planning Document programme is crucial in terms of aligning the Council’s statutory planning policy framework to deliver its Climate and Nature Emergency commitments. The future location of housing, population, jobs, and infrastructure will have a significant impact for both climate and nature growth as it increases carbon emissions and puts further pressure on the natural environment. Therefore, careful consideration must be given to the best potential outcomes for eliminating emissions and supporting nature’s recovery. An important element of the Council’s response to these issues will be through the choices it makes in preparing a new spatial strategy for South Glos and the new planning policies that will support its delivery.</p> <p>This year we will continue to evolve the policies through the next stage (Regulation 18) part of the Local Plan process, adapt and amend as we move towards Regulation 19 submission of the plan. As part of this process,</p>	<p>Reducing emissions/Adaptation and resilience/Nature recovery</p>		<p>Within officer resource but costs likely to be incurred to provide specialist support prior to examination.</p> <p>£100,000</p>

<p>we will be updating evidence and developing further Supplementary Planning Documents (SPDs) and Technical Advice Notes (TANS).</p> <p>At this regulation 18 stage we are looking to test the options for how specific locations and sites can deliver the new homes, jobs and infrastructure needed, and what the carbon impacts of each option are likely to be.</p> <p>We will also set out draft policies that cover energy in new development including embodied carbon; maximising outcomes for renewables including community energy, adaptation and resilience, protection and restoration of nature, GI (Green Infrastructure) and Strategic GI Corridors and Biodiversity Net Gain, to ensure that new development is consistent with the 2030 target.</p> <p>We will review the outcomes of other authorities' Local Plans going through Examination to make sure we are keeping up to date with best practice and changes to national policy.</p> <p><b>Purpose:</b> To ensure we maximise Climate and Nature Emergency outcomes of new local plan policies and to monitor progress in other local authorities to tailor our approach.</p>		<p>DEVELOP</p>	
<p><b>Householder Energy Support -continued</b></p> <p>Support for householders to bridge the gap between fuel poverty support and home energy retrofit.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£55,000 (for Year 5)</p>
<p><b>Innovate to renovate - continued</b></p> <p>Develop the relationship between Innovate to Renovate and Retrofit West to make sure that there is provision of the services to all South Gloucestershire residents.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>From existing resource</p>
<p><b>Retrofit West – continued</b></p> <p>Support oversight of Retrofit West and promotion of the scheme to ensure it delivers against South Gloucestershire priorities.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>Within officer resource. Mayoral Combined Authority</p>



<p><b>Community building retrofit - continued</b> Town and Parish Council and Community Buildings – seek external funding or match fund to support technical audits for buildings and exploring opportunities for community heat and cold refuge facilities.</p> <p><b>Purpose:</b> Assist key community anchor institutions to advance their action on climate and nature</p>	<p>Reducing emissions/Adaptation and Resilience</p>	<p>DEVELOP</p>	<p>50% funding towards an energy audit for Town and Parish buildings budget limited (£15,000)</p>
<p><b>Mine water for heating and cooling decarbonisation</b> Commission phase 2 study to identify the anticipated findings of selected drilling locations. South-west Net Hub to develop the business case based on heating and cooling.</p> <p><b>Purpose:</b> Plug gaps in national action on decarbonising heat.</p>	<p>Reducing emissions/Adaptation and resilience</p>	<p>DEVELOP</p>	<p>Up to £70,000 as match</p>
<p><b>Progress Strategic Heat Network</b> Work with developers on the Brabazon Site to promote a strategic heating network provided by Vattenfall/Ameresco and continue to work with other large anchor load providers to link into the wider strategic heat network and consider opportunities for satellite networks.</p> <p><b>Purpose:</b> Plug gaps in action on decarbonising heat.</p>	<p>Reducing emissions/Adaptation and resilience</p>	<p>DEVELOP</p>	<p>Within officer resource</p>
<p><b>Householder Solar Scheme evaluation continued</b> To consider the value the Year 2 delivery of Solar Together scheme and continue the dialogue to the development of future appropriate schemes that could provide a consistent offer.</p> <p><b>Purpose:</b> Plug gaps in action on decarbonising heat.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Schools trial of energy tracking software continued</b> Seek schools willing to participate in a trial of energy tracking software and hardware and online energy tools.</p> <p><b>Purpose:</b> Support schools to reduce energy use, cost, and carbon emissions.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£10,000</p>

<p><b>New buildings (Schools) continued</b> Working with the building specifiers to ensure that the actual performance of buildings matches the design expectations. To progress the construction of schools to accord with emerging Local Plan energy, carbon, and climate resilience policies to an agreed standard.</p> <p><b>Purpose:</b> To ensure that new build projects do not add to the scale of the net zero challenge already present from existing buildings (subject to funding).</p>	Reducing emissions	IMPLEMENT	Green Schools part of CE budget
<p><b>Private sector housing standards</b> Private sector housing team will use available data sets to target action against the least energy efficient properties in the Private Rented Sector utilising the powers under The Energy Efficiency (Private Rented Property) (England and Wales) Regulations 2015.</p> <p><b>Purpose:</b> To improve the energy efficiency of rented properties and thermal comfort/energy costs for tenants, through advice and support for landlords, and where necessary enforcement action.</p>	Reducing emissions/Adaptation and Resilience	IMPLEMENT	Private Sector Housing Budget
<p><b>Retrofit Demonstration (Social housing)</b> Buildings identified, tenants engaged, designs developed next phase delivery.</p> <p><b>Purpose:</b> To engage registered social landlords to retrofit social housing stock across the area.</p>	Reducing emissions/Adaptation and resilience	IMPLEMENT	£120,000
<b>THEME: TRANSPORT PROJECTS (Infrastructure and Highways)</b>			
<b>PLANNED ACTIONS (2024/25)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE BUDGET</b>
<p><b>Deliver Suite of Active Travel Projects - Continued</b> Building on the learning of the Year 4 pilot projects, deliver a range of Active Travel Package of Schemes to support, promote, and increase active travel in businesses and communities across South Gloucestershire. The Package includes Modeshift Stars Accreditation Scheme for businesses, BBB website for hosting cycle related information, Active Travel Grant Scheme for SMEs &amp; Communities, and expanding the network of</p>	Reducing emissions	IMPLEMENT	£50,000

<p>Emergency Bike Repair Toolkits.</p> <p><b>Purpose:</b> To deliver a range of active travel initiatives to support communities, businesses, commuters, and SMEs to increase take up of active travel.</p>			
<p><b>Deliver an area wide Active Travel Strategy and Year 1 Action Plan - new</b></p> <p>Deliver an area wide Active Travel Strategy, creating a vision for the Authority in delivering and expanding active travel across the Authority area. The Strategy will look to collate all existing work areas that contribute to active travel, as well as areas where the Authority should be focusing on, to future proof in terms of both climate change mitigation and travel behaviour adaptation. It aims to provide a pathway to future active travel provision, ensuring that the Authority is co-ordinated in its approach and can apply its current and future funding and infrastructure in a co-ordinated manner. The Strategy will package together the work areas across the Council that have a contribution to active travel and will include, but not limited to the following areas: capital infrastructure, cycling and walking, planning, and housing, behaviour change and community engagement.</p> <p>Outputs from the project will be the Strategy itself, obtaining agreement and approval, and establishing the first-year action plan for quick win mini projects that can be delivered in the first year. It is anticipated the action plan will then be updated and expanded in line with the Strategy annually.</p> <p><b>Purpose:</b> Transport is the greatest source of carbon emissions in South Gloucestershire delivering a strategic approach to delivering active travel measures is a critical part of the council’s delivery.</p>	<p>Reducing emissions</p>	<p>DEVELOP</p>	<p>Within existing officer resource</p>
<p><b>Regional transport funding applications - continued</b></p> <p>Maximise opportunities from regional funding pots to support South Gloucestershire to decarbonise transport.</p> <p><b>Purpose:</b> Transport is the greatest source of carbon emissions in South Gloucestershire accessing funds is the route to maximising action on transport emissions.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Modeshift Stars – Active travel programme for Schools - continued</b></p> <p>Deliver expanded incentivisation programme – Bronze, Silver, and Gold</p> <p><b>Purpose:</b> To increase the numbers of school children using active travel modes to travel to and from school.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£60,000</p>

<p><b>Roll out of community access to bikes and subsidised bike sale schemes - new</b> Working directly with a community led bike refurbishment scheme roll out to other interest communities.</p> <p><b>Purpose:</b> To increase take up of active travel across South Gloucestershire.</p>	Reducing emissions	IMPLEMENT	£20,000
<p><b>Support the promotion of the regional E Bike Scheme - continued</b> New contractor TIER will be providing a regional e-bike scheme. Ensure that South Gloucestershire residents are aware of the scheme and the areas of coverage.</p> <p><b>Purpose:</b> To increase take up of active travel.</p>	Reducing emissions	IMPLEMENT	Regionally funded
<p><b>Liveable Neighbourhoods - continued</b> Commence the delivery of Liveable Neighbourhood Improvements in Yate and Thornbury on the 15-minute neighbourhood principle through community engagement and co design. To include retrofit of active travel measures such as bike storage etc...</p> <p><b>Purpose:</b> To ensure improved Active Travel connectivity in residential areas.</p>	Reducing emissions /Nature Recovery	IMPLEMENT	Not from Climate Emergency Budget
<p><b>Carbon Emissions Reduction - continued</b> To continue to use the Highways Maintenance Carbon Emission impact study work to reduce emissions on the highways network through the procurement of goods and services and adjustments to ways of working.</p> <p><b>Purpose:</b> To continue to implement lower carbon techniques/approaches to highways maintenance and to implement offsetting requirements for carbon emissions.</p>	Reducing emissions	IMPLEMENT	Grant funded
<p><b>Support the implementation of the South Gloucestershire Clean Air Action Plan - continued</b> Where the Clean Air Action Plan delivers on Climate and Nature Emergency objectives.</p> <p><b>Purpose:</b> To deliver co-benefits for clean air and climate and nature.</p>	Reducing emissions/Adaptation and Resilience	IMPLEMENT	£50,000
<p><b>Low Carbon Road Verge Management – continued</b> Deliver the Department for Transport funded Live Labs 2, Greenprint Project, for low carbon highway verge management.</p> <p><b>Purpose:</b> To maximise reduction in operational emissions, increased verge soil carbon and to co mingle waste</p>	Adaptation and resilience/Nature Recovery	IMPLEMENT	£50,000

streams (grass and food waste) to generate biofuels through anaerobic digestion. Through changing management of highway verges to deliver benefits for operational carbon emissions, nature, adaptation, and resilience from our highways network.			
<p><b>Electric Vehicle Car Clubs - continued</b> Next stage: sign off Traffic Regulation Orders for the two EV (Electric Vehicles) car clubs planned in year at Filton Avenue, Filton and Broad Street, Staple Hill. Consider other strategic locations for car clubs.</p> <p><b>Purpose:</b> To enable access to personal mobility without needing to own a vehicle to support carbon reductions from embodied energy while also giving equality of access.</p>	Reducing emissions	IMPLEMENT	£100,000
<p><b>Electric Vehicle Infrastructure - continued</b> Continue strategy roll out and draw down of funding.</p> <p><b>Purpose:</b> To encourage reductions in emissions and contribute to better air quality management.</p>	Reducing emissions	IMPLEMENT	External funding
<p><b>Council Fleet - continued</b> Deliver fleet strategy and further reductions in fleet emissions responding to the council's target to reduce direct emissions year on year.</p> <p><b>Purpose:</b> Council to show leadership in its own approach to fleet management.</p>	Reducing emissions	DEVELOP	To be confirmed
<p><b>Taxi and Licenced vehicles - carbon emissions reductions</b> Building on Year 4, in 2024/25 implement new policy staging towards lower emissions vehicles with consideration for the new Clean Air Zone in Bristol and access to cross border services.</p> <p><b>Purpose:</b> Taxis make up around 1% of vehicles in the area, they are critical to supporting the shift to low carbon travel options, they are a highly visible and licencing can be used to influence types of vehicles in use.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Embed Staff Travel Plan - continued</b> Work with staff and departments across the council using the travel plan and data on departmental carbon emissions to drive down council emissions in service design and delivery.</p> <p><b>Purpose:</b> To oversee the implementation of the staff, travel plan.</p>	Reducing emissions	DEVELOP	Within officer resource

<b>THEME: RENEWABLE ENERGY</b>			
<b>PLANNED ACTIONS (2024/25)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE BUDGET</b>
<p><b>Work in partnership to deliver Future Energy Landscapes workshops - new</b> Bristol Energy Cooperative working with Centre for Sustainable Energy have developed workshops to facilitate community conversations in areas with good potential for renewable energy installation. Trial workshops in 3 communities across South Gloucestershire.</p> <p><b>Purpose:</b> To facilitate community conversations around local renewable opportunities.</p>	Reducing emissions	IMPLEMENT	£10,000
<p><b>Work with Mayoral Combined Authority and partners to advocate for improvements in grid capacity - continued</b> Work with Mayoral Combined and the South-West Net Zero Hub. Collaboration voice of the region to remove barriers from network operators. Coordination response to grid constraints issues and energy markets working with National Grid Energy Distribution (NGED).</p> <p><b>Purpose:</b> To coordinate regional efforts to increase renewables in the West of England region.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	Within officer resource
<p><b>Aggregate generation from dispersed renewables - continued</b> Sort out a mechanism for the council to aggregate generation from dispersed renewables.</p> <p><b>Purpose:</b> To maximise energy supply from locally generated resources at the lowest cost.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Explore innovative approaches to managing energy demand, retail of energy and supply - continued</b> Explore the aggregation of dispersed energy potential through sleeved power purchase agreements.</p> <p><b>Purpose:</b> To maximise energy supply from locally generated resources at the lowest cost.</p>	Reducing emissions/Adaptation and resilience	IMPLEMENT	Within officer resource and potential government funding
<p><b>Community Renewable Energy Trial – Marshfield - continued</b> Move to phase 2 feasibility study. Working with consultant to support Marshfield Community.</p>	Reducing emissions/Adapt	DEVELOP	Within officer resource and potential

<p><b>Purpose:</b> To support a replicable low carbon heating/energy trial in a local community.</p>	<p>ation and resilience</p>		<p>government funding</p>
<p><b>Area Wide Community Renewables development - continued</b> Work with community energy groups that come forward to identify sites for solar PV and wind</p> <p><b>Purpose:</b> To enable increases in renewable energy provision.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>Within officer resource and potential government funding</p>
<p><b>Solar on SGC buildings - continued</b> To install solar on council owned buildings.</p> <p><b>Purpose:</b> To increase renewable energy provision, encourage others to do so with their own land and to support innovation in delivery.</p>	<p>Reducing emissions</p>	<p>DEVELOP</p>	<p>£400,000 in year 3 budget, further business case in Year 5</p>
<p><b>THEME: GREEN INFRASTRUCTURE AND NATURE RECOVERY</b></p>			
<p><b>PLANNED ACTIONS (2024/25)</b></p>	<p><b>PURPOSE</b></p>	<p><b>PROJECT STAGE</b></p>	<p><b>INDICATIVE BUDGET</b></p>
<p><b>GI and Nature Recovery Action Plan to 2030 - continued</b> Continue implementation of the 77 projects in the adopted GI and Nature Recovery Action Plan to 2030 programme as <b>detailed in Appendix 5</b> including for 2024/25 to:</p> <ul style="list-style-type: none"> <li>• Continue delivery of our externally funded strategic Green Infrastructure and Nature Recovery projects including <b>Common Connections</b>, the <b>Tree Canopy Project</b>, <b>River Frome Reconnected</b>, <b>Frome Valley River Reserve</b>, <b>Resilient Frome</b> and <b>Hawkesbury and Inglestone Commons</b>.</li> <li>• Work with the Combined Authority and appointed consultants to prepare the outline business case for the <b>Lower Woods Link</b> strategic GI project.</li> <li>• Prepare the outline business case for the <b>String of Pearls</b> strategic GI project to restore, improve and connect wetland in the Severn Vale to deliver resilience and nature recovery objectives.</li> <li>• Seek funding to progress current concept stage strategic GI projects to business cases including for action to restore the <b>Little Avon River</b> catchment.</li> <li>• Work with partners to identify opportunities, priorities, and funding to apply a whole catchment approach to improve and restore the <b>Siston and Warmley Brooks</b> to deliver improvements for nature, water quality and flood resilience.</li> </ul>	<p>Nature Recovery/Adaptation and resilience/ Reducing emissions</p>	<p>PREPARE, DEVELOP AND IMPLEMENT</p>	<p>£30,000</p>

<ul style="list-style-type: none"> <li>• Apply the councils <b>strategic GI corridors</b> work and adopted Supplementary Planning Documents (SPDs) to include GI, Nature. Recovery and Climate Change considerations in the South Gloucestershire Local Plan</li> <li>• Update our <b>Orchards Policy</b> for orchards on council owned land.</li> <li>• Continue to implement our policies for nature on pesticides, plant biosecurity and pollinators.</li> <li>• Continue to trial dog free areas on council owned key sites in the nesting season to protect ground nesting birds and restore biodiversity.</li> <li>• Continue to <b>support volunteering and friends' groups</b> who work with the council and local communities to help care for green infrastructure and nature in South Gloucestershire.</li> <li>• Work with regional partners to prepare and implement the <b>Local Nature Recovery Strategy</b> (LNRS) and update our <b>environmental data</b> including for <b>Sites of Nature Conservation interest</b> (SNCIs).</li> </ul> <p><b>Purpose:</b> To optimise the multiple benefits of high quality green and blue infrastructure to deliver the objectives of local and regional GI, Climate and Nature Emergency strategic plans and priorities as set out in the councils GI Strategy and GI and Nature Recovery Action Plan to 2030.</p> <p><b>A selection key GI and Nature Recovery Action Plan projects for 2024/25 are detailed below:</b></p>			
<p><b>Year 5 monitoring of progress towards our Nature Recovery Goals - continued</b> Monitor and report on progress on Nature Recovery Goals and SMART targets set in Year 4.</p> <p><b>Purpose:</b> To monitor and track progress on the South Gloucestershire Nature Recovery Goals and SMART Targets for tree canopy cover, land managed positively for nature, closing nature recovery network gaps and water catchment ecological status</p>	Nature Recovery	IMPLEMENT	Monitoring tracked within officer resource.
<p><b>Planting sufficient trees to double tree canopy cover – Year 5 - continued</b> Continue to seek funding and deliver externally funded projects for tree planting and establishment. Including from corporate sponsors as part of their involvement in SGC community planting events.</p> <p><b>Purpose:</b> To progress work on the council's commitment to double tree canopy cover.</p>	Nature recovery/Adaptation and resilience	IMPLEMENT	Green Recovery fund



<p><b>Delivering new statutory requirements Biodiversity Net Gain (BNG) to be achieved from January 2024</b>  Under the Environment Act, all planning applications granted, with a few exemptions will have to deliver 10% biodiversity net gain. This will be mandatory from January 2024 and will be measured using the Department for Environment, Farming and Rural Affairs Biodiversity Metric with habitats created needing to be secured and monitored for at least 30 years. Through the councils adopted Biodiversity and Planning Supplementary Planning Document we are putting in place the statutory practices and procedures that will ensure we are ready to secure 10% BNG from January 2024. Work is currently underway to ensure the council's Planning Service and other Departments that will support achieving this outcome are ready. By committing to achieve this the council is ensuring BNG will link to a range of Council priorities including responding to the Climate and Nature Emergency, place-making to create more greener and nature rich places where people and nature thrive, planning, designing and management of high-quality GI, mental and physical health and wellbeing, resilience to flooding, high temperatures and improving air and water quality.</p> <p><b>Purpose:</b> To prepare developers, the council, and the public for the delivery of Biodiversity Net Gain.</p>	Reducing emissions/Adaptation and resilience/Nature recovery	IMPLEMENT	Within officer resource
<p><b>Connecting our nature recovery network - continued</b>  Taking action to close key gaps in the South Gloucestershire Nature Recovery Network. Following survey work to continue to deliver nature improvement works to key 'gap' sites in the Nature Recovery Network.</p> <p><b>Purpose:</b> To deliver progress on the Nature Recovery Goal and SMART target to reduce the number of gaps in the Nature Recovery Network.</p>	Nature recovery/Adaptation and resilience	DEVELOP/IMPLEMENT	£55,000
<p><b>Reconnecting Nature Highways - tackling transport network severance for wildlife - new</b>  Following initial research and development, to further scope and develop a business case of priorities which are ready to seek capital funding for implementation.</p> <p><b>Purpose:</b> to gather evidence and identify and map priority locations and prepare a business case for capital delivery of retrofit improvements and design recommendations for new infrastructure to reduce the impacts of transport severance for wildlife.</p>	Nature recovery/Adaptation and resilience	DEVELOP/IMPLEMENT	£35,000
<p><b>Sedum traffic islands trials – new</b>  Research and pilot use of sedum for traffic islands and infrastructure</p> <p><b>Purpose:</b> pilot use of sedum to reduce heat island effect, improve drainage, reduce maintenance, improve fire resilience, hold moisture well, salt tolerance etc...</p>	Nature recovery/Adaptation and resilience	PREPARE	£30,000

<p><b>Reducing chemical and particulate load in local highway water run off - new</b>  Deliver priority site improvements to reduce chemical and particulate from highway run off at identified hot spots.</p> <p><b>Purpose:</b> to gather evidence and identify and map priority locations and prepare a business case for capital delivery of retrofit improvements and design recommendations for new infrastructure to reduce chemical and particulate load from highway run off.</p>	Nature recovery/Adaptation and resilience	PREPARE AND IMPLEMENT	£30,000
<p><b>Revitalising the Brooks – new</b>  Deliver initial natural flood management interventions in the Siston and Warmley Brooks such as wetland creation and tree planting, to improve flood resilience, water quality and biodiversity.</p> <p><b>Purpose:</b> the Siston Brook catchment is identified in the South Gloucestershire Local Flood Risk Strategy as a high priority catchment for local flood risk. Through delivering natural flood management work, as well as flood resilience this project will also create and help connect priority habitats, enabling nature to move and thrive.</p>	Nature recovery/Adaptation and resilience	PREPARE/ DEVELOP/ IMPLEMENT	£20,000
<p><b>Biodiversity retrofit of Public Open Spaces - continued</b>  Deliver improvements in council owned public open spaces which achieve benefits for nature recovery, health and wellbeing, and climate change adaptation and resilience.</p> <p><b>Purpose:</b> Contribute to the Nature Recovery Goal to increase the amount of land managed positively for nature.</p>	Nature recovery/Adaptation and resilience	IMPLEMENT	£25,000
<p><b>Community training programme - continued</b>  Deliver training for community groups and volunteers to support maintenance of local nature sites including formal parks and Local Nature Reserves.</p> <p><b>Purpose:</b> Contribute to GI and Nature Recovery Action Plan action (E4) Invest in training and green skills and (T3) support for community groups.</p>	Nature recovery/Adaptation and resilience/ Reducing emissions	IMPLEMENT	£5,000
<p><b>Ponds restoration programme - continued</b>  Works to restore Warmley Forest Park attenuation pond to improve natural flood management, nature recovery and resilience and biodiversity.</p> <p><b>Purpose:</b> Progress implementation of the pond's restoration programme of the GI and Nature Recovery Action Plan action (W5) Restore our ponds.</p>	Nature Recovery/Adaptation and Resilience	IMPLEMENT	£60,000

<p><b>Birdlife Resilience project - continuation</b>  Following successful pilot project in Simms Hill, to deliver further Birdlife project work on other sites including data gathering, nesting site improvements and public engagement. This work will provide information about how the changing climate, plastics and biodiversity loss is impacting bird populations to inform local management, national data, and practice. The project will provide artificial nesting habitats by installing bird boxes to compensate for the loss of natural nesting sites and habitat.</p> <p><b>Purpose:</b> The project will gather vital data to contribute to ongoing research by the British Trust for Ornithology by collecting data including nesting times, egg numbers, chick hatching, and survival rates, nesting materials and birdbox monitoring to contribute to local and national databases to inform conservation strategies.</p>	Nature Recovery/Adaptation and Resilience	IMPLEMENT	£5,000
<p><b>Play areas retrofit for Climate and Nature - new</b>  To design, deliver and provide aftercare for tree planting, pollinator habitat creation, and sustainable drainage for play areas owned and managed by South Gloucestershire Council</p> <p><b>Purpose</b> – play areas provide vital spaces for children and their carers to access the benefits of outdoor play for health, well-being, learning and development. We need to ensure that our play areas are adapted and resilient to the impacts of the changing climate through planting for shading, cooling, drainage and to improve biodiversity and nature connection and learning opportunities for children and their carers.</p>	Nature Recovery/Adaptation and Resilience	IMPLEMENT	£25,000 (to note tree planting covered through Green Recovery Fund (GRF) Tree Canopy Project)
<p><b>Emersons Green Park Accessibility Project – new</b>  work with the South Gloucestershire Disability Action Group to prepare a site accessibility audit to prepare the business case to seek sources of funding for capital delivery.</p> <p><b>Purpose</b> – Emersons Green Park is one of our 3 formal parks (with Page Park and Kingswood Park) and plays a key role in providing amenity green space for local communities. Improving the accessibility of this formal park will enable more residents to access and enjoy green space which will help to improve individual and community health and resilience and reduce travel emissions.</p>	Nature Recovery/Adaptation and Resilience	DEVELOP	£5,000
<p><b>Kingswood Park - continued</b>  Subject to NHLF funding of £2.67 million, in 2024 to commence a programme of work to restore and improve Kingswood Park, including delivery of Climate and Nature Emergency priorities for the park for resilience,</p>	Nature Recovery/Adapt	DEVELOP/IMPLEMENT	£39,000

<p>adaptation and nature recovery funded with council Climate and Nature Emergency CIL (Community Infrastructure Levy) match funding for 2024/25.</p> <p><b>Purpose:</b> to provide 2024/25 agreed match funding to integrate and optimise Climate and Nature Emergency objectives in delivering the NHLF project to restore and improve Kingswood Park.</p>	<p>ation and Resilience</p>		
<b>THEME: ADAPTATION AND RESILLIENCE</b>			
<b>PLANNED ACTIONS (2024/25)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE BUDGET</b>
<p><b>Area wide Adaptation and Resilience Strategy – in line with regional strategy development - new</b> Working with the Mayoral Combined Authority to develop a strategic response.</p> <p><b>Purpose:</b> To ensure South Gloucestershire residents, homes, businesses and area wide infrastructure and services are resilient to the changing climate.</p>	<p>Reduce emissions/ Adaptation and resilience/Nature</p>	<p>DEVELOP</p>	<p>TBC</p>
<p><b>Delivering prevention measures – health and climate - continued</b> Deliver actions on climate and health developed by the Health Protection Operations Sub-Group.</p> <p><b>Purpose:</b> To continue to deliver measures that reduce burdens on health and emergency services and that prevent some of the health impacts from the local impacts of a changing climate.</p>	<p>Adaptation and resilience/Nature</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>Region mapping of risks to the transport network - continued</b> Regional mapping project investigating flooding/heat risks to regional transport infrastructure and the potential for applying nature-based solutions to optimise adaption and resilience to the changing climate working in conjunction with local landowners.</p> <p><b>Purpose:</b> To increase local flooding and extreme heat resilience to the changing climate across the region.</p>	<p>Nature Recovery/Adaptation and resilience/ Reducing emissions</p>	<p>DEVELOP</p>	<p>TBC</p>

<p><b>Work to reduce local climate related inequalities - continued</b>  Deliver adaptation and resilience measures that reduce inequalities.</p> <p><b>Purpose:</b> To ensure that equalities issues are taken fully into action in our action plans.</p>	Reducing emissions /Adaptation/Nature	DEVELOP	Within officer resource
<p><b>Flooding reduction – Resilient Frome - continued</b>  Target areas are identified high up on the main river/headwaters, Laddon and Bradley Brook areas. Opportunities around Environmental Land Management Schemes (ELMS) and how we can work with and support the agricultural community.</p> <p><b>Purpose:</b> Restoration of river flow, to reduce localised flooding and improve nature.</p>	Adaptation and resilience	IMPLEMENT	Within grant funded project and Climate Emergency match
<p><b>Risk Management - continued</b>  Yearly update of the corporate risk-register to reflect risks from the local impacts of a changing climate.</p> <p><b>Purpose:</b> To mitigate risk of the negative consequences of a changing climate.</p>	Adaptation and resilience	IMPLEMENT	Within officer resource
<p><b>Departmental Risk Management - continued</b>  Develop service risk registers.</p> <p><b>Purpose:</b> To support individual services to foresee risks and take action to reduce the local impacts of a changing climate on the delivery of local services.</p>	Adaptation and resilience	IMPLEMENT	Within officer resource
<p><b>Adaptation and Resilience Surveys for SMEs</b>  Work with Mayoral Combined Authority to develop new offer adaptation survey for SMES and businesses.</p> <p><b>Purpose:</b> To prepare local business for the impacts of a changing climate on infrastructure, supply chains and staff.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	TBC
<p><b>Adaptation and resilience communication</b> - We will use our Year 5 communications channels to help our partners, residents, and businesses to adapt and prepare for the local impacts of climate change.</p>	Adaptation	IMPLEMENT	Within officer resource

<p><b>Purpose:</b> To communicate local impacts and steps that can be taken to prepare homes, business and protect health.</p>			
<p><b>Care Homes Research Continued</b> – Pilot Project Phase - Continue project looking to active monitoring of air quality, temperature, moisture, and humidity through the Umbrella network.</p> <p><b>Purpose:</b> To improve resilience of care homes and other health care facilities to a changing climate.</p>	Adaptation	DEVELOP	£150,000 (carried over from Year 4)
<b>THEME: RESOURCES AND WASTE</b>			
<b>PLANNED ACTIONS (2024/25)</b>			
	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE BUDGET</b>
<p><b>New Waste Contract - new</b> Push for highest environmental standards for both external and in-house operations for collection operations and to keep waste management options towards the top of the waste hierarchy (reduce, reuse, recycle).</p> <p><b>Purpose:</b> To continue local and regional efforts to reduce emissions from waste.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Resources and Waste</b> – Continue to roll out implementation of the Resources and Waste strategy 2020 and beyond in particular the delivery of the infrastructure projects and food waste reduction and recycling programme. Also integrate stronger Climate Emergency considerations as part of the thinking around future options as the Private Finance Initiative for the waste services moves towards its end.</p> <p><b>Purpose:</b> To reduce carbon emissions from waste and transportation of waste and maximise use of resources locally.</p>	Reducing emissions	IMPLEMENT	Currently within officer resource