

Appendix 1

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 6 phase of a project started in the year 5 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.

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 (EQIAA) to Cabinet.

Climate Emergency Theme: Cross Cutting

PLANNED ACTIONS (2024/25)	TARGET	PROJECT STAGE	PROGRESS
THEME: CROSS CUTTING			
<p>Develop, deliver, and embed Climate and Nature Decision Wheel including training for staff - continued</p> <p>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>Purpose: 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>	<p>Conduct an analysis of the decision wheel process, outcomes and the delivery of recommendations proposed (July 24), review the findings of the analysis feedback to SLT and adjust to improve impact (September 24), continue to deliver the wheels for new PIDs, Cabinet and Full Council Meeting and Authorisation to Seek Funding continuing to log decision wheels processed (December 24), consider proposals to increase number of decision making fora for climate wheel (April 25).</p>	<p>IMPLEMENT</p>	<p>Decision wheel analysis to be carried out by Bristol University currently with the Ethics Committee - next steps online survey and interviewing the project managers and decision-makers about the Climate and Nature Decision Wheel. The online survey will be sent to all project managers and decision-makers who worked with the Climate and Nature Decision Wheel over the last 2 years looking at whether they have implemented any recommendations made and if the decision wheel has influenced their approach. Of those that complete the survey, the researchers plan to interview between 20 to 30 professionals. In these interviews, the researchers aim to further understand the use, challenges, and outcomes of the Climate and Nature Decision Wheel 26 decision wheels delivered between April 24 and November 24. Follow up emails sent to all project managers where a specific recommendation was made to reduce likely impacts to find out how the project delivery was adjusted.</p>

<p>Managing Council Assets (Year 5 phase) - continued Move from percentage trajectory reductions to setting clearer annual CO₂ reduction targets for Scope 1, 2 and 3 managed through Carbon Management Group, ensure the Corporate Estates Management Strategy to drive adaption and resilience, renewable energy and green infrastructure and recovery.</p> <p>Purpose: 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>Managing Council Assets (Overall for number of projects that Property Services is working on - Solar, Decarbonisation etc) - agreed 18/04/24:</p> <p>Specific</p> <ol style="list-style-type: none"> 1. Set clear annual CO₂ reduction targets for scope 1 and 2 emissions in the Corporate Estates Management Strategy. 2. Identify energy saving measures, renewable energy, and low carbon technologies where possible in new build and existing building refurbishment/maintenance projects. 3. Update the Heat Decarbonisation Plan produced in 2021 to reflect changes in the property portfolio, completed intervention projects and update costs to reflect inflation increases. 4. Seek grant funding to support project funding. 5. Identify projects to utilise the Climate Emergency 'green schools' fund. <p>Measurable</p> <ol style="list-style-type: none"> 1a. Scope 1 & 2 energy use is measured through meters which enables a clear setting of CO₂ reduction targets. 1b. Develop a mechanism to measure scope 3 emissions with the Carbon Management Group. 	<p>DEVELOP</p>	<p>Annual reduction target of 10% year on carbon emissions reduction on Scope 1 and 2 emissions. Decarbonisation report updated for 2024 to reflect latest pricing, carbon factors and estates changes. This report is being analysed to identify priorities. New build primary Elm Park Primary School completed 2024 (replacement for previous primary school). Funding accessed through Sport England for installation of Solar Panels at Longwell Green Leisure Centre Green Schools Funding was used for the 3 schools upgraded (reported in 2023 - for 3 primary schools). Continual process of identifying opportunities and looking for funding pots.</p>
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	<p>2. Record the energy measures implemented in new build and existing building refurbishment/maintenance projects.</p> <p>3. The updated Heat Decarbonisation Plan will show the latest intervention measures with costs.</p> <p>4. Record submitted grant applications. Public sector carbon reduction/ energy saving grant schemes are very popular and receive far more applications than available funding.</p> <p>5. Using the Heat Decarbonisation Plan and Condition Survey Data identify priority projects, particularly schemes which meet grant funding schemes criteria.</p> <p>Achievable The only committed funding is the Climate Emergency green schools. Funding is needed to update the Heat Decarbonisation Plan.</p> <p>Public sector carbon reduction/ energy saving grant schemes generally fund the replacement of 'end-of-life' fossil fuel heat sources – not new build projects.</p> <p>Relevant Reduce emissions.</p>		
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	<p>Implementation of renewable, low carbon and emerging technologies Avoid future costs. Timebound - December 2024</p>		
<p>Procurement using the process to drive action - continued 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>Purpose: To continue to increase the requirements to reduce emissions through our commissioning and procurement of services.</p>	<p>To consider the proposal from EY in respect of top slicing budget costs to go to funding carbon and nature projects. (April 24), To take the proposal for corporate sign off (July 24), To develop a timetable for implementation of development phase (September 24).</p>	<p>DEVELOP</p>	<p>EY accountancy firm have considered a group of contracts from the Place Department which are due to be out for procurement over the next 6 months. On examination several of the contracts were not appropriate to be considered. Further discussions are taking place with procurement managers and EY to identify other contracts which could be in scope. A final decision on whether the council formally adopts the approach will be made after this due diligence phase is completed.</p>
<p>Residual emissions plan rollout - continued 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>Purpose: To establish the cost to offset residual carbon emissions in 2030.</p>	<p>In respect of Scope 1 and 2 emissions - look at the current market price for carbon work with department to consider likely costs to them at 2030 and opportunities to reduce residuals an inset the remainder (July 24) - offsetting costs by 2030.</p>	<p>PREPARE</p>	<p>Cost of carbon £200 per tonne this is in our annual emissions statement we have identified this in our report. This requirement to offset residual emissions now embedded in our Council Plan 2024-2028 we are working through the carbon management group to look at the cost implications to the council by department.</p>

<p>Procurement Training - continued Training to be provided to procurement staff and commissioners and contract managers, (potentially also schools procurement managers).</p> <p>Purpose: To support procurement staff, commissioners, and contract managers to drive changes in Scope 3 missions from council goods and services.</p>	<p>Following the timetable for the role out of the EY accountancy work this would commence in September 24 - training contract/procurement managers.</p>	<p>DEVELOP</p>	<p>Work has focused on the Highways Team, Waste Team working on the new Waste Contracts and training these teams around carbon impacts of commissioning. Updated procurement plan on the website provides a template for procurement teams to follow.</p>
<p>Independent assessment and monitoring of progress - continued Continue to report using tools such as Carbon Disclosure Project to ensure benchmarking and progress aligns with sector peers.</p> <p>Purpose: To ensure South Glos is maximising the opportunities open to councils to respond to the climate and nature emergency.</p>	<p>REGEN data dashboard for 2024 by May 24, Complete Carbon Disclosure Project Reporting July 24, Local Greenhouse Gas Report, Area Wide Emissions update by December 24, APR4 adaptation and resilience reporting pilot by December 25).</p>	<p>IMPLEMENT</p>	<p>All undertaken to completion: REGEN data dashboard for 2024 by May 24, Complete Carbon Disclosure Project Reporting October 24, Local Greenhouse Gas Report, Area Wide Emissions update by December 24, APR4 adaptation and resilience reporting pilot by December 25</p>
<p>Communications and Stakeholder Engagement Strategy and Delivery - continued 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>Purpose: To broaden engagement across the area in action on Climate and Nature to reduce emissions, prepare for the local impacts of a</p>	<p>Develop climate and nature communications plan (April 24), deliver minimum 10 events April 24 -April 25 (mixture online and in person), co-design event with local groups June 24. Use Britain Talks Climate research for targeted marketing in particular areas of South Glos.</p>	<p>IMPLEMENT</p>	<p>Climate and nature communications spreadsheet plan developed and implemented, events: 5x Climate and Nature Emergency Community Engagement Events (agenda set by steering group), Love your Patch Great Big Green Week event (event co-designed with local groups), Bristol and South Glos Refugee Festival, Thornbury Carnival, PRIDE, Old Sodbury Village Day. Nature based events with the Hong Kong Resettlement Team.</p>

<p>changing climate, and protect and restore nature and reduce inequalities.</p>			<p>Using Britain Talks Climate data for promotion of Solar Together.</p>
<p>Scaled up partnership working - continued</p> <ul style="list-style-type: none"> • Exploring joining regional partnership initiatives. • Regional partners – Mayoral Combined Authority and Partnerships such as West of England Nature Partnership • Local Partnership Climate and Nature Group • Town and Parish Councils • Community and Voluntary Sector • SMES and major businesses <p>Purpose: 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>	<p>Explore relationship with Bristol Climate and Nature Partnership for expanded regional collaboration (May 24)</p>	<p>IMPLEMENT</p>	<p>Development stages has moved into delivering projects in partnership - Scaled up partnership delivery via specific sector projects - Linking the levels, Towards a Sustainable Food Place, Local Climate and Nature Action Plans (LCNAPs), Mine Water Heating, Surface Water Run Off, Greenprint Project, Common Connections, Frome Reconnected, Warmley Nature Action Zone multiple partnerships (using UWE advisory group to audit and keep us in check). Conversation with links to Bristol Climate and Nature Partnership are ongoing. Community engagement group includes steering group representation from local climate and nature action groups.</p>
<p>Extend Local Climate and Nature Action Plan/Business toolkits - continued</p> <p>Provide support to increase the numbers of Town and Parish Councils and Businesses undertaking Local Climate and Nature Action Plans.</p> <p>Purpose: Maximise town and parish council and business engagement and delivery climate and nature.</p>	<p>1 day per week delivery officer based in the Town and Parish Councils - support to December 24, 1 x LCNAP Conference 5 x new LCNAPs written and signed off.</p>	<p>IMPLEMENT</p>	<p>25 Local Climate Nature Action Plans (LCNAPs) now created. Finance to extend LCNAP project support in place. Investing in Climate and Nature (ICaN) project manager in place we need to make the linkage to extend benefits across the area and not just council land - via our town and parish councils.</p>

<p>Strategy and Policy - continued 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> <p>Purpose: To ensure the common thread that relates to the declaration of a Climate and Nature Emergency is implemented through all strategies and plans.</p>	<p>Input into the development of the new Council Plan 2024-2028 and the performance monitoring framework that underpins it (April 24). To support the Regulation 19 submission version of the draft Local Plan (December 24). Continue to comment on, input into and influence all Council strategies and plans in 2024/25 to implement Climate Emergency principles aligned within the Council Plan's overarching priorities and commenting on regional strategies and plans. April 24 - April 25.</p>	<p>IMPLEMENT</p>	<p>New Council Plan 2024-2028 with key delivery targets agreed on by the administration, supporting the Regulation 19 stage of the Local Plan - net zero energy, safeguarding for wind, embodied carbon, adaptation and resilience, GI policies. Latest iteration of the Asset Management Strategy. Biodiversity Net Gain planning advice. New Sites of Nature Conservation Interest policy and non-statutory net gain policy in development.</p>
<p>Green Skills and Jobs continued - continued Work with Mayoral Combined Authority to deliver Retrofit West phase 1, 2 and 3.</p> <p>Purpose: 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>	<p>Work with South Gloucestershire and Stroud College on their construction and skills centre to promote opportunities. Development of schemes to increase numbers of nature related jobs.</p>	<p>IMPLEMENT</p>	<p>Supporting the Retrofit West Regional Project Board - which includes the development of the retrofit sector including profession training and skills development. Development of nature focused delivery projects like ICaN and Linking the Levels which has already included job creation and will lead to further work, development of river reserve to provide the jobs that build up the nature employment of experts to enable green infrastructure projects.</p>
<p>Carbon baseline data - continued We will continue to update our area wide carbon baseline data annually and initiate</p>	<p>Update Data dashboard (May 24), update renewables target and council target and put new key performance indicators (KPIs)</p>	<p>IMPLEMENT</p>	<p>Dashboard updated May 24, new Key Performance Indicators for renewable energy and council emissions added to council plan -</p>

<p>further research work as necessary to help inform our decision making and evaluation progress against the carbon neutral target.</p> <p>Purpose: Further analysis required to inform Years 5-10 plan.</p>	<p>in Council Plan (June 24), provide narrative in end of year climate report which explains new KPIs.</p>		<p>https://beta.southglos.gov.uk/static/79206395faf3bf2485db1ec9146e9593/Council-Plan-2024-to-28.pdf</p>
<p>Apply to external funders to deliver Climate, Nature and Adaptation and Resilience Projects - continued</p> <p>Funding will be required to scale up local delivery. Search for and apply to relevant funding for delivery of key aims.</p> <p>Purpose: To access available funding to increase delivery of climate and nature emergency aims.</p>	<p>Funding applications in process: Linking the levels application for 370k (April 24), EU funding for adaptation and resilience study 180k (May 24), 25k application for ICaN implementation (April). 130k to support development and delivery of ICaN. New applications will be subject to staff resource in place for delivering existing and any future funding.</p>	<p>DEVELOP</p>	<p>Linking the levels (successful 365k), European Union funding for adaptation and resilience unsuccessful - but sent to new funder Rapid Adaptation Pathways Assessment for possible delivery pending outcome. Investing in Climate and Nature for ICaN £130,00, for Carbon Accounting £25,000.</p>
<p>Investing in Climate and Nature Scheme (ICaN) - continued (follows on from the Wild belt Project) - continued</p> <p>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>Purpose: 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>	<p>Employment of portfolio manager (August 24), development of website (October), soft launch of scheme (August 25).</p>	<p>IMPLEMENT</p>	<p>Portfolio manager in place September 24, website in development, scheme to launch 2025.</p>

<p>Adopt new Environmental Policy in line with new Council Plan To align with the new Council Plan, consult on draft policy and take for a decision.</p> <p>Purpose: 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>	<p>Following completion of the new Council Plan - review draft Environmental Policy in light of new Council Plan and amend if required (April 24), consult internally on Environmental Policy revision (May-August 24), take new Environmental Policy to Cabinet/Full Council for approval September 24.</p>	<p>DEVELOP</p>	<p>Draft policy revised following the release of the new Council Plan 2024-2028. Draft Environmental Policy circulated to wider council staff for consultation November 2024.</p>
<p>Schools Carbon and Climate Workshops - continued 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>Purpose: To support schools in delivering relevant climate education.</p>	<p>Review delivery of the 23/24 schools' workshops programme and work on deeper engagement with 5 schools (May 24), build on deeper engagement work either with expansion or continuation with existing schools, deliver 15 workshops (September 24-April 25).</p>	<p>IMPLEMENT</p>	<p>Review of the delivery of the schools' workshop programme Jan 24. New contract in place May 24, delivery of 6 sessions by December 24 remainder to be delivered by April 2025.</p>
<p>Love your patch - Community Engagement Project Year 2 - continued 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>New project officers starting May 24, build on deep dive work in Filton (Summer 24) initiate some activity in Severn Beach/Pilning. Develop programme of activity to bring in a wider group of people May 24 - deliver programme of activity June-November 24.</p>	<p>IMPLEMENT</p>	<p>Deep dive report completed for Severn Beach Pilning plus support provided to Severn beach and Pilning Parish Council to develop Local Climate and Nature Action Plan. Programme of engagement events delivered including schools circular economy/recycling workshops - https://southernbrooks.org.uk/get-outside/love-your-patch/. Great Big Green Week programme of events delivered and</p>

<p>Purpose: To build the movement of community-based organisations acting for climate and nature in South Gloucestershire.</p>			<p>area wide events list collated and promoted.</p>
<p>Regional Low Carbon Energy Strategy (decarbonisation pathway) - new Work with regional partners towards the development of a regional energy strategy.</p> <p>Purpose: 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>	<p>Work with OFGEM who are establishing regional energy strategic plans (RESPS) and putting in place regional energy strategy managers. Establish how local area energy plans will fit in with the RESPS.</p>	<p>DEVELOP</p>	<p>OFGEM have just recruited Regional Energy System Planning officers, and we will be ensuring South Gloucestershire representation at these meetings. Working with Bristol City Council on their Mission Net Zero Project to develop a Regional Energy Strategy using a digital twin to model energy systems across the region.</p>
<p>Sustainable Food Places - new 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>Purpose: To provide greater resilience in the local food sector.</p>	<p>Establish founding partnership group (Jan 24), establish temporary coordinator (Jan 24), develop terms of reference, hold 6 months of documented meetings, produce a food sector analysis, develop an action plan, apply to the Sustainable Food Places programme (November 24).</p>	<p>DEVELOP</p>	<p>Foundation partnership group established Jan 24, temporary coordinator established, terms of reference developed, monthly meetings held since Jan, mini tender for food systems analysis issued with advert to community organisations. Attended session for Equalities Voice members on the mini-tender and development of cross sector food partnership, seeking feedback and inviting them to join July 24, application to Sustainable Food Places submitted October 24. Equalities and Diversity Officers provided input into the development of the mini-tender document. Event to broaden cross sector food partnership Dec 24.</p>
<p>THEME: BUILDINGS AND THE BUILT ENVIRONMENT</p>			
<p>PLANNED ACTIONS (2024/25)</p>	<p>TARGET</p>	<p>PROJECT STAGE</p>	<p>PROGRESS</p>

<p>Energy Efficiency Program Development - (Year 5 phase) - continued</p> <p>Business plan development for significant roll out of solar PV (Photo Voltaic) for energy efficiency on suitable council owned host buildings.</p> <p>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>Purpose: 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>Awaiting confirmation of Public Sector Decarbonisation Phase 4 Funding - steps to be taken subject to funding and then in line with Council Estates Strategy. To proactively review Council-owned assets via the Estates Strategy and identify those assets suitable for climate and nature emergency initiatives and to work with relevant officers to support and progress projects.</p> <p>For example, after the first preliminary round of review of all assets conducted in March 2024, an initial shortlist of sites will be circulated by May 2024 for consideration.</p>	<p>DEVELOP/ IMPLEMENT</p>	<p>Awaiting confirmation of Public Sector Decarbonisation Phase 4 Funding - steps to be taken subject to funding and then in line with Council Estates Strategy (approved October 24). To proactively review Council-owned assets via the Estates Strategy and identify those assets suitable for climate and nature emergency initiatives and to work with relevant officers to support and progress projects. Initial list of sites produced and being reviewed for potential application in November 24.</p>
<p>Local Plan Policy Framework Development - continued</p> <p>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</p>	<p>Adapt and amend Regulation 19 submission of the Local Plan. As part of this process, we will be updating evidence and developing further Supplementary Planning Documents (SPDs) and Technical Advice Notes (TANS).</p>		<p>Following the close of the Regulation 18 Local Plan Phase 3 consultation in February, the Council has completed the review all the representations received and considered the issues raised. As a result of that process, a further targeted Regulation 18 consultation has been undertaken, focussed on ensuring flexibility in housing land supply and assisting with Bristol City</p>

<p>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, 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</p>		<p>DEVELOP</p>	<p>Council's (BCC) unmet housing need. The Local Plan timetable as set out in the Local Development Strategy has also been updated to take account of this additional consultation. Following the publication of the draft National Planning Policy Framework on 30th July, the Council is considering the potential to progress to publish and consult on the Regulation 19 Plan under the transitional arrangements set out.</p>
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<p>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>Purpose: 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>Householder Energy Support -continued Support for householders to bridge the gap between fuel poverty support and home energy retrofit.</p> <p>Purpose: 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>Step Up South Glos May 2024 – April 2025</p> <ul style="list-style-type: none"> • To deliver 3x 1.5-hour Greening Your Home sessions – these sessions will include promotion of Lendology and other energy efficiency initiatives that the Warm and Well umbrella encompasses • To promote the summer film on keeping your house cool through social media • To revisit feedback forms from households visited • To run Green Home Open Doors events where the public can visit houses that have had energy efficient measures installed 	<p>IMPLEMENT</p>	<p>Step up South Gloucestershire contract in place July 24, Greening your home webinars - September 30th, (with 2 further planned 25th November 3rd February). Feedback forms analysed for thermal imaging cameras. Keeping Cool video produced and included in SGC weekly residents' newsletter, targets set in contract include home visits and events attendance on track for completion April 25. Retrofit West has delivered 45 surveys to South Glos residents and provided 129 pieces of advice.</p>

	<ul style="list-style-type: none"> • Ongoing home visits from advocate (target for last project = 200 per year) • Reaching partners (target for last project = 50 per year) • Residents engaged with at events (target for last project = 500 per year) 		
<p>Innovate to renovate - continued 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>Purpose: 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>	During 24/25 we as an authority we need to decide whether we continue to input into the project (in terms of money for parity and staff resource) or whether we focus on the Retrofit West and nationally available projects that are driven by Parity Data. Key date is the renewal of the Parity data contract. Attend/Arrange meetings to discuss the website and future of the project.	IMPLEMENT	Discussion undertaken earlier in the year with Gloucestershire council to explain overlap with Retrofit West. Decision to be made in October within Climate Team whether we continue to fund Innovate to Renovate specifically. https://theretrofitcentre.planbuilder.co.uk
<p>Retrofit West – continued Support oversight of Retrofit West and promotion of the scheme to ensure it delivers against South Gloucestershire priorities.</p> <p>Purpose: 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>	Attend regular regional meetings (April-December 24) Provide Retrofit West promotional materials at SGC events, promote in 3 x home energy advice webinars (September 24-April 25), promote at Green open homes events (Winter 24/25).	IMPLEMENT	Retrofit West meetings attended, promotion has taken place on our website and via our weekly newsletter and leaflets supplied to the 13 South Gloucestershire libraries as well as at all events (listed in communications and stakeholder engagement session), engaged with Severnweye Energy Agency about promoting Retrofit West at the greening your home webinars.
Community building retrofit - continued	Seek input from regional partners to ensure scheme is complimentary to the regional offer (April 24), design and		Identified scheme is not a duplication but complimentary (reference regional and

<p>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>Purpose: Assist key community anchor institutions to advance their action on climate and nature</p>	<p>promote scheme targeting all Town and Parish Councils (May 24), deliver workshop for Town and Parish Councils on building and funding retrofit (September 24).</p>	<p>DEVELOP</p>	<p>local existing schemes - CVS South Gloucestershire scheme offering help to Town and Parish Councils with energy audits but only those with Voluntary and Community Sector VCSE Management Committees) September 24, attended Town and Parish Council Clerks meeting September 24 to promote the scheme, engaged with Local Climate and Nature Action Plan coordinator to reach out to Town and Parish Councils</p>
<p>Mine water for heating and cooling decarbonisation</p> <p>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>Purpose: Plug gaps in national action on decarbonising heat.</p>	<p>To commission and deliver investigation into future heating and cooling demand (July), appoint project manager to lead on mine water project (West of England Combined Authority funded) August 24, working up to identification of drilling sites and commissioning contractors to start exploratory drilling in 2025</p>	<p>DEVELOP</p>	<p>Investigation into heating and cooling demand was delivered and the report released funded by the Southwest Net Zero Hub that has led to a bid into the Heat Network Development Unit to do a techno-economic study centred on the Bristol and Bath Science Park and the Surrounding Area. Project Manager (for the West of England) recruitment underway. Drilling broad locations identified. Project manager role is to commission exploratory drilling.</p>
<p>Progress Strategic Heat Network</p> <p>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>Issuing of planning decision notice with the expectation of delivering a strategic heat network for the Brabazon site (when S106 is signed).</p>	<p>DEVELOP</p>	<p>Holding monthly liaison meetings with Vattenfall to discuss a potential heat network at Filton Airfield as well as the on-going development of heat networks in Bristol.</p> <p>For the Brabazon development a decision notice has been issued and the section 106 signed.</p>

<p>Purpose: Plug gaps in action on decarbonising heat.</p>			<p>We have negotiated conditions with the developer and the Councils' Development Management team which have been attached to the outline planning application for subsequent phases. These require connection to a heat network, or that new development is capable of connection in the future, should a heat network be not available.</p> <p>Vattenfall has been in discussion with the developer and presented a proposal for the development and operation of a heat network at Brabazon. These discussions are on-going, and we are awaiting confirmation that an agreement has been reached.</p>
<p>Householder Solar Scheme evaluation continued 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>Purpose: Plug gaps in action on decarbonising heat.</p>	<p>Monitor implementation of Round 2 including complaints/feedback etc... (July 24) Support design of round 3 of solar together (August 24), support promotion of Round 3 campaign (expected Spring 25).</p>	<p>IMPLEMENT</p>	<p>Participated in regional meetings to review the impact of Solar Together 2 - as part of the review improvements in complaints handling process requested, more emphasis on making it possible for local suppliers to engage with icoosr to become a potential supplier requested. Engaged in design of round 3 Solar Together launched 19th September 2024. Promotion of Solar Together 3 via direct letter, residents' newsletter, climate and nature newsletter, social media, libraries, and targeted marketing.</p>
<p>Schools trial of energy tracking software continued</p>	<p>Seek opportunity in recommissioning new workshops (May 24) - work with 5 schools in more intensive way.</p>		<p>Workshops recommissioned - schools booking underway for initial workshops but booking for in-depth workshops is the next</p>

<p>Seek schools willing to participate in a trial of energy tracking software and hardware and online energy tools.</p> <p>Purpose: Support schools to reduce energy use, cost, and carbon emissions.</p>		IMPLEMENT	step on from the initial bookings. School booking taking longer due to delay in finalising new contract following changes to the Council's procurement and finance systems.
<p>New buildings (Schools) continued 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>Purpose: 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>	<p>The design standard we are now applying to all new school buildings is the Department for Education output specification 2023. It embeds net zero carbon in operation and climate resilience across a full suite of documents as well as the introduction of the technical annex 2J: Sustainability.</p> <p>SMART targets - Progress Abbeywood Secondary School new standalone 10classroom block plus dance studio extension to Royal Institute of British Architects Stage 3 detailed design (completion Jan 26) Lyde Green New Primary and Secondary School, Passivhaus School designed for 420 Primary and 900 Secondary school places. Develop the Castle School, new three storey standalone teaching block.</p>	IMPLEMENT	Abbeywood School building - now at the end of Royal Institute of British Architects stage 4, on programme to start on site in November. Building has been designed to Department for Education output specification 2023 and will be net zero in operation. Lyde Green New Primary and Secondary School - on site now, completion July 2026. Building has been designed to Passivhaus standard Classic and will be the largest and most complex Passivhaus school building in the UK. The Castle School - completed in July 2024, designed with enhanced sustainability features including solar panels, air source heat pumps and improved fabric design.

<p>Private sector housing standards 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>Purpose: 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>	<p>Improvement in Energy Performance Certificate (EPC) rating to E or above for all private rented properties. (Building Research Establishment stock modelling indicates 610 properties) or correct entry on exemption register.</p> <p>Year 1 target, there will be an Improvement in Energy Performance Certificate (EPC) rating to E or above for 65 private rented properties or entered on the exemption register. Support between 8-10 Landlords to reach current Minimum Energy Efficiency Standard of E or above by full retrofit of 8-10 tenanted properties in South Gloucestershire and advice and guidance given to others over 12 months April 24 to 31 March 2025.</p>	<p>IMPLEMENT</p>	<p>Without a validated database of privately rented properties with Energy Performance Certificates of F and G, we have continued to work through data derived from Building Research Establishment stock modelling report commissioned in 2023 which identified 610 properties in the Private Rented Sector thought to have an EPC of F or G. This has required a lot of time cross referencing ownership, tenure, and Energy ratings as well as entries on the national exemption register. During the first 2 quarters 54 properties identified as possible F & G rated properties have been contacted and where appropriate action taken, and these are now confirmed as EPC – 1 (B), 9 (C), 15 (D) and 29 (E). 15 properties have also been identified as no longer being rented. 54 properties have been registered on the exemption register, and those are also being reviewed to ensure they are correctly registered. Accelerate South Glos - The one-year project aims to support between 8-10 Landlords on their journey to reach MEES (Minimum Energy Efficiency Standards) by offering free surveys and project management to clients (Landlords are required to pay for upgrades). Since its launch in April, a significant targeted marketing campaign has been run including, social media, direct mailouts, Google keyword adverts and attendance at</p>
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			landlord events. Applications to the project have been lower than expected. There are currently four landlords registered on the scheme. Two have received their initial surveys and two more have survey dates booked. We are also speaking to a possible fifth client, regarding their eligibility for the project. Severn Wye have agreed to extend the project beyond one year to ensure we support the 8-10 landlords.
Retrofit Demonstration (Social housing) Buildings identified, tenants engaged, designs developed next phase delivery. Purpose: To engage registered social landlords to retrofit social housing stock across the area.	Identify and cost scheme of works to 4 target properties (November 24), construction (25).	IMPLEMENT	Ongoing - Establishing what works are required and final costs regarding 4 identified properties - consultants (Ridge) appointed- ongoing engagement with residents- monthly catch-up meetings with Bromford, the Council & Ridge. Start on site date has slipped. This is now likely to be financial year 25/26.
THEME: TRANSPORT PROJECTS (Infrastructure and Highways)			
PLANNED ACTIONS (2024/25)	PURPOSE	PROJECT STAGE	
Deliver Suite of Active Travel Projects - Continued 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	The Package will support 20 Small to Medium Sized Enterprises and Community organisations with Active Travel Grants, 20 organisations to sign up to Modeshift Stars Accreditation Scheme and 20 emergency bike repair kits to be distributed across the area by March 2025.	IMPLEMENT	In 2023: 10 Grants approved in July 2023 and 11 Grants approved in Sept 2023: Total Grants: 21 10 Grants approved in June 2024. Fourth round of the Scheme is currently open with 6 live applications.

<p>Scheme for businesses, BBB website for hosting cycle related information, Active Travel Grant Scheme for SMEs & Communities, and expanding the network of Emergency Bike Repair Toolkits.</p> <p>Purpose: To deliver a range of active travel initiatives to support communities, businesses, commuters, and SMEs to increase take up of active travel.</p>			<p>16 Organisations registered for Modeshift Stars for Business. Via other Schemes within the Transport Policy Team, this Accreditation Scheme has further expanded and there are now 20 Businesses registered. Work will continue to obtain further registrations.</p> <p>20 Emergency Bike Repair Kits (EBRKs) were purchased and 18 issued to 14 organisations across the South Gloucestershire area. The two remaining EBRKs are stored at SGC and have been used as 'emergency stock - providing spare/extra parts when needed. A further 10 EBRKs have been ordered to expand the network with a further 10 planned for the spring to tie in with the usual start of the Behaviour Change Projects Engagement Period.</p> <p>As of 27th September 2024, some 3798 miles have been ridden on bicycles obtained via the Package 1 Active Travel Grant.</p>
<p>Deliver an area wide Active Travel Strategy and Year 1 Action Plan - new</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</p>	<p>Data gathering/evidence (March 2024) Scope strategy (June 2025) Internal consultation commences (July 2024) Draft strategy (September 2024) External consultation (October 2024) Plan adoption (May 2025)</p>		<p>Project delayed due to lack of staff resource. Scoping work completed and resources are being secured. Currently at the recruitment phase for a transport policy officer.</p>

<p>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>Purpose: 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>		DEVELOP	
<p>Regional transport funding applications - continued</p>	<p>In partnership with the West of England Combined Authority and Tier, expand the operational are of the E-bike and E-Scooter trial into Avonmouth and</p>	IMPLEMENT	<p>E bike and E Scooter trail extension in progress to Severnside, East Fringe and Severnside areas by December. A commitment from the provider to extend</p>

<p>Maximise opportunities from regional funding pots to support South Gloucestershire to decarbonise transport.</p> <p>Purpose: Transport is the greatest source of carbon emissions in South Gloucestershire accessing funds is the route to maximising action on transport emissions.</p>	<p>Sevenside, East Fringe, Winterbourne Frampton Cotterell, Coalpit Heath, Thornbury and Yate by March 2025.</p> <p>In partnership with the West of England Combined Authority deliver three Mobility Hub interchange sites at Lyde Green Park & Ride, Church Road Filton, and New Road Filton by March 2025.</p> <p>Secure Full Business Case approval for funding from West of England Combined Authority to construct multi-modal corridor improvements for passenger transport, walking wheeling and cycling by January 2025.</p> <p>Progress community Co design and commence trials for two Liveable Neighbourhood projects for Yate and Thornbury as part of the Full Business Case development for funding a permanent scheme. Trials to commence by October 2024.</p> <p>Submit a Full Business Case by March 2025 for funding for improvements to the Bristol Bath Railway Path with the aims of increasing use.</p> <p>Submit a Full Business Case by March 2025 for funding to commence construction of a new Rail Station at Charfield.</p>		<p>to Coalpit Heath, Thornbury and Yate by March 2025 still to be agreed.</p> <p>Three Mobility Hub interchanges due to be on site to commence installation before December 2025.</p> <p>Full Business Case approval secured for first phase of A432 and A4174 corridors. Second phases to be considered for approval in January 2025.</p> <p>Liveable Neighbourhood trials to commence in coming months following community engagement.</p> <p>Full Business Case submission date for Bristol Bath Railway Path slipped to 2025/26 due to staff resource issue and need for time restricted ecological surveys.</p> <p>On track for Full Business Case submission for Charfield Station,</p> <p>Mobility as a Service app to be tested as a minimum viable product before December.</p>
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	<p>In partnership with the West of England Combined Authority roll out a Mobility as a Service smart mobility digital solution to enable customers to plan, book and pay for mobility services by March 2025.</p> <p>In partnership with the West of England Combined Authority secure funding for expansion of the EV public charging network in the district.</p>		
<p>Modeshift Stars – Active travel programme for Schools - continued Deliver expanded incentivisation programme – Bronze, Silver, and Gold</p> <p>Purpose: To increase the numbers of school children using active travel modes to travel to and from school.</p>	<p>Target 1: To retain all 34 educational establishments with Modeshift accreditation for the year (Apr 24 to Mar 25). For those establishments that are struggling to retain a minimum of good accreditation they will be offered an incentive of £300 to retain their accreditation.</p> <p>Target 2: To encourage 10 new educational establishments to reach good accreditation by 31 March 2025 and they will be offered up to the value of £1,500 per school.</p> <p>Target 3: Encourage 8 educational establishments to progress their accreditation to a higher level, either from Good to Very Good, from Very Good to Excellent or from</p>	<p>IMPLEMENT</p>	<p>Target 1: We now have 36 schools with Modeshift accreditation. In total we have 3 schools at Approved, 18 at Good, 9 at Very Good, 3 at Excellent and 3 at Outstanding. This has brought 5 Glos to the top of the league table of large authorities with the highest percentage of schools accredited 29.51% All but one of the July 24 accredited schools were retained. The one school that dropped was because the staff member left, and the school did not have anyone else to take on the Modeshift role. Of the 11 schools retaining accreditation in July 24 accreditation round; 6 went up a level and 5 maintained their accreditation level (3 at Good, 1 at very Good and 1 at Platinum). Target 2: We have 3 new schools accredited in the July 24 round and are on track to ensure we have 7 more new schools applying for accreditation by the Mar 25 deadline. Target 3: We have exceeded this target and had 10 schools</p>

	<p>Excellent to Outstanding by 31 March 2025. For educational establishments rising a level they will be offered the following amounts:</p> <ul style="list-style-type: none"> • Rising to Very Good will be offered up to the value of £4,000 • Rising to Excellent will be offered up to the value of £6,000. • Rising to Outstanding will be offered up to the value of £7,000. <p>Funding is currently limited to the above number of educational establishments attaining accreditation. Should further funding become available, more can be included in the project.</p> <p>Educational establishments may submit their accreditation application at any one of the following accreditation deadlines; 31 July 2024, 31 December 2024 and 31 March 2025, and no later than 31 March 2025, to be eligible for the funding. The funding will be agreed and awarded once their accreditation applications have been approved by SGC and Modeshift, following the accreditation submission deadlines.</p> <p>Target 4: A 16% decrease of the percentage of pupils and staff travelling by car by March 2025 across all 8 schools that rise a level of accreditation. This will be qualified by</p>		<p>progress to a higher level of accreditation in the July 24 accreditation round. 1 school rose from Approved to Good, 5 schools rose from Good to Very Good, 2 schools rose from Good to Excellent, 1 school rose from Very Good to Excellent, and finally 1 school rose from Excellent to Platinum.</p> <p>Target 4: We have also exceeded this target as there has been a 25% decrease of pupils and staff travelling by car to date across 9 schools that have risen a level of accreditation. Whilst 10 schools rose a level of accreditation, one of those (Abbeywood) rose from Approved to Good and Approved schools do not have survey data and have therefore been excluded from the figures.</p>
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	travel survey data and accreditation status.		
<p>Roll out of community access to bikes and subsidised bike sale schemes - new</p> <p>Working directly with a community led bike refurbishment scheme roll out to other interest communities.</p> <p>Purpose: To increase take up of active travel across South Gloucestershire.</p>	<p>The Pilot Scheme will work with local community groups and/or stakeholders to assist at least 40 participants to access bikes by March 2025.</p>	<p>IMPLEMENT</p>	<p>The Pilot Scheme will aim to deliver to 40 participants - the cost of the bikes has now been agreed with the Operator and it was decided that additional items such as helmets, lights, paniers will be provided with the bikes. This has increased the cost of each bike but will mean that the participant will be able to use the bike immediately as since the Scheme is aimed at those who are low income and need are struggling to access transport - this is an important element for this project. Liaison with the Operator over the timescales has also confirmed that 30 bikes is more realistic to be delivered. Discussions will be held with the Project Sponsor on extending the Scheme for an additional 6 months - completing end of summer 2025.</p>
<p>Support the promotion of the regional E Bike Scheme - continued</p> <p>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>Purpose: To increase take up of active travel.</p>	<p>This scheme is being delivered by the West of England Combined Authority using an independent company Tier-Dott. The idea of the project is to provide cost effective alternative sustainable transport options to residents and visitors to the West of England. The scheme is monitored using CityScope Geographical Information Systems data. This data shows the amount, length, and duration of journeys as well as other data. There is a comms</p>	<p>IMPLEMENT</p>	<p>The E-Scooter and E-Bike schemes are being promoted and managed by the Combined Authority as part of their Micro-Mobility Programme. The current operator of the scheme is Tier-Dott. South Gloucestershire Council is part of the governance arrangements for the scheme, with officers attending project meetings and governance meetings including and Infrastructure Directors meetings. SGC highways officers also comment on any</p>

	<p>budget associated with the project; Tier-Dott is working on a specific communications plan for the proposed expansion into a broader area.</p>		<p>new parking site proposals put forward by Tier-Dott that are in the South Gloucestershire area. The majority of the use of e-scooters and e-bikes is within the Bristol City area. There are proposals to expand further into Severnside, Yate and Thornbury. The contract between the combined authority and Tier-Dott is coming up for renewal at the end of 2024 so expansion is unlikely to take place until a new contract is in place.</p>
<p>Liveable Neighbourhoods - continued 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>Purpose: To ensure improved Active Travel connectivity in residential areas.</p>	<p>Objectives for the next 12 months.</p> <ul style="list-style-type: none"> • Finish consultation. • Through Co-design develop concept designs • Start trial interventions, these will be monitored using multi modal transport sensors. These sensors will show if mode shift to sustainable and active modes have been achieved. • The feedback and data we get from the trials will allow us to start work on detailed designs. 	<p>IMPLEMENT</p>	<p>First Phase consultation now complete We have developed concept designs, based on co-design feedback from workshops and surveys. In progress to commence trials, sensors in Yate have been placed, we are waiting for Thornbury’s sensors to be placed. Once trials have commenced, Phase 2 of the consultation will commence to gauge feedback, and data.</p>
<p>Support the implementation of the South Gloucestershire Clean Air Action Plan - continued Where the Clean Air Action Plan delivers on Climate and Nature Emergency objectives.</p>	<p>Updated SMART targets:</p> <ul style="list-style-type: none"> • Complete the CAAP (June 2024) • Submit final CAAP to Defra for Approval (Summer 2024) • Take the final action plan to Cabinet for a decision (Autumn 2024) 	<p>IMPLEMENT</p>	<ul style="list-style-type: none"> • Complete the CAAP - Delayed due to work completing the Annual Status Report (which has been completed August 2024) • Submit final CAAP to Department for Environment, Farming, and Rural Affairs (DEFRA) for Approval delayed due to above - now expected later in the year.

<p>Purpose: To deliver co-benefits for clean air and climate and nature.</p>	<ul style="list-style-type: none"> • Start to implement the 30 measures contained within the CAAP (2025) • <p>The (draft) Action Plan: https://consultations.southglos.gov.uk/gf2.ti/f/1462818/153479429.1/PDF/-/Consultation%20draft%20CAAP%20November%202022%20FINAL.pdf contains a list of 30 measures and include:</p> <ul style="list-style-type: none"> o the responsible teams/departments/organisations who will deliver this action. o estimated cost of implementing each action. o expected benefit in terms of pollutant emissions and/or concentration reduction. o the timescale for implementation. 		<ul style="list-style-type: none"> • Take the final action plan to Cabinet for a decision - Delayed but expected early 2025 • Start to implement the 30 measures contained within the CAAP (2025) - Remains on track • The (draft) Action Plan - Completed
<p>Low Carbon Road Verge Management – continued</p> <p>Deliver the Department for Transport funded Live Labs 2, Greenprint Project, for low carbon highway verge management.</p> <p>Purpose: To maximise reduction in operational emissions, increased verge soil carbon and to co-mingle waste streams (grass and food waste) to generate biofuels through anaerobic digestion. Through changing management of highway verges to deliver benefits for operational</p>	<p>Delivery of carbon-based line assessment for highway operations (May), carbon assessment for processing of verge arisings (July), delivery of green print model (December 24-April 25).</p>	<p>IMPLEMENT</p>	<p>Baseline carbon assessment completed using the Future Highways Research Group Model, work underway to measure the carbon emissions associated with the new model of operations including grass collections and processing via anaerobic digestion. On track for delivery of analysis model by April 25.</p>

<p>carbon emissions, nature, adaptation, and resilience from our highways network.</p>			
<p>Electric Vehicle Car Clubs - continued 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>Purpose: 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>	<p>The installation and maintenance of Electric Vehicle Charging Infrastructure (EVCI) to provide two on-street 22kW charge points for use as a Car Club in Filton and Staple Hill.</p> <p>2 years revenue funding contribution to the Car Club operator for the battery electric vehicles and publicity/comms.</p> <p>No additional funding has been committed after the 2 years towards car club operation. The Service Level Agreement can be extended by mutual agreement as per the Service Level Agreement.</p> <p>Specific: to install and maintain 22kW Fast charging car club bays at 2 sites. 1 off-street Filton, 1 on-street Staple Hill and contribute to the battery electric vehicle costs.</p> <p>Measurable: Measured by key milestones, date operational, photos, press release and utilisation data/car club operator feedback.</p> <p>Agreed: - Scheme agreed/funded by Climate Emergency Fund</p>	<p>IMPLEMENT</p>	<p>Following the completion of a Traffic Regulation Order for our proposed car club bay in Staple Hill, we are now scheduling the installation of the bays and will be arranging for the car club operator to host their vehicle by the end of the financial year. (on track for March 2025)</p> <p>Further legal work is ongoing to finalise a Traffic Regulation Order within Filton to allow the development of the scheme further.</p> <p>The project team is aiming to conduct enhanced communications of the scheme to help promote the vehicles and ensure that we are maximising the benefits of the scheme.</p>

	<p>Realistic: Scheme, timescales, and budget are currently realistic based on scale and knowledge of similar schemes and existing resource is available from highways team. New Risks may affect timescales.</p> <p>Timebound: to complete Traffic Regulation Order, Civils and be operational for a Car club operator to launch was originally by March 2024, now likely to be March 25.</p>		
<p>Electric Vehicle Infrastructure - continued Continue strategy roll out and draw down of funding.</p> <p>Purpose: To encourage reductions in emissions and contribute to better air quality management.</p>	<p>Specific: to install publicly accessible fast/rapid charging points across 13 sites mostly within council carparks with some on the adopted highway.</p> <p>Measurable: Measured by key milestones, date operational, photos, press release and utilisation data/car club operator feedback.</p> <p>Agreed: - Scheme agreed/funded by Climate Emergency Fund</p> <p>Realistic: Scheme, timescales, and budget are currently realistic based on scale and knowledge of similar schemes and existing resource is available from highways team. New Risks may affect timescales.</p>	<p>IMPLEMENT</p>	<p>Scheme substantially completed (12 sites installed out of 13) with one further site remaining for install at Bitton Railway Station.</p>

	<p>Timebound: Majority completed or near complete. Final schemes will be operational by March 2025.</p>		
<p>Council Fleet - continued Deliver fleet strategy and further reductions in fleet emissions responding to the council's target to reduce direct emissions year on year.</p> <p>Purpose: Council to show leadership in its own approach to fleet management.</p>	<ul style="list-style-type: none"> • To continue to reduce the overall CO2 footprint of the Council fleet by 10% by March 2025 • Replace a further 10 number of cars and small vans with zero or low emission EV vehicles by March 2025. • Continue to trial and evaluate alternatively (low emission) Heavy and Medium size vehicles. • To refresh the fleet strategy so it supports the aspirations of the Council Plan and Climate Emergency Strategy by March 2025. • Consider future fuel options for Council Fleet to provide lower emissions to include alternate technologies including but not limited to Hydrogen, Hybrid and BEV. • To increase the number of low emission Pool car journeys instead of Grey Fleet Mileage 	<p>DEVELOP</p>	<p>Working with operational teams to reduce the CO2 through reviews of utilization within the operational team's allocation reports identifying where vehicles of lower CO2 output can be used. The availability of charge points in Broad Lane and Badminton Road is restricting the ability to increase the number of fleet Battery Electric Vehicles operated. This is the volume of charge points which is determined by the capacity of the grid to deliver sufficient electrical energy for the charge point supply rating. Additional charge points in other Council sites Brook Road and Hollywood Lane will help increase BEV procurement as a viable option. Innovation in the vehicle manufacturing of low emission vehicles continues with new products arriving in the marketplace. There are no Viable fuelling points for compressed natural gas (CNG) or hydrogen (H2) inside our area, the alternative to have mobile trailers is not viable for the space required and the initial capital of the alternative fuelled vehicles. The number of low emission Pool car journeys is</p>

			monitored but the grey fleet mileage reclaimed from employees needs to be collected to give key trend indicators.
<p>Taxi and Licenced vehicles - carbon emissions reductions</p> <p>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>Purpose: 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>	<p>In relation to vehicles, there are currently 1470 electric or hybrid vehicles, the rest are either diesel or petrol out of 2,865 vehicles.</p> <p>From the first date of registration, 75 vehicles are dated before the 1st of January 2015 (Euro 4 or 5 standard), of which 7 are Hackney Carriage vehicles and the rest are Private Hire vehicles. Licensing service to review the current taxi policy (Summer 24), at which point there will be a public consultation, with an estimated implication date towards the end of the year. Licencing to consult with Climate and Nature Emergency Team regarding policy revision.</p>	DEVELOP	<p>There are now 1668 electric or hybrid vehicles, the rest are either diesel or petrol out of 2,967 vehicles.</p> <p>From the first date of registration, 45 vehicles are dated before the 1st of January 2015 (Euro 4 or 5 standard), of which 5 are Hackney Carriage vehicles and the rest are Private Hire vehicles. Licensing service to review the current taxi policy (Summer 24) public consultation has now ended and will be determined 14th November 2024, an estimated implication date towards the end of the year.</p>
<p>Embed Staff Travel Plan - continued</p> <p>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>Purpose: To oversee the implementation of the staff, travel plan.</p>	<p>Develop webpage on the new Staff Travel Plan (April 24), Brief the carbon management group (May 24), senior managers network presentation (coordinate with EY work).</p>	DEVELOP	<p>Intranet page on the staff travel plan developed - https://southglos.sharepoint.com/SitePages/Travelling-to-work.aspx, Carbon Management Group briefed in May, coordinating with the EY scope 3 emissions work.</p>
THEME: RENEWABLE ENERGY			

PLANNED ACTIONS (2024/25)	PURPOSE	PROJECT STAGE	PROGRESS
<p>Work in partnership to deliver Future Energy Landscapes workshops - new 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>Purpose: To facilitate community conversations around local renewable opportunities.</p>	<p>Delivery of 3x Future Energy Landscape Workshops and follow up reports.</p>	<p>IMPLEMENT</p>	<p>3 workshops delivered in Thornbury, Yate and Chipping Sodbury and Winterbourne parishes with follow up reports on the outcomes made available.</p>
<p>Work with Mayoral Combined Authority and partners to advocate for improvements in grid capacity - continued 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>Purpose: To coordinate regional efforts to increase renewables in the West of England region.</p>	<p>Work with Ofgem who are establishing regional energy strategic plans (RESPS) and putting in place regional energy strategy managers. Work on the sign off strategic energy plans with Ofgem. Respond to Ofgem consultation regarding operational arrangements for RESPS.</p>	<p>DEVELOP</p>	<p>Ofgem have just recruited Regional Energy Systems Planning officers and we will be ensuring South Gloucestershire representation at these meetings. Working with Bristol City Council on their Mission Net Zero Project to develop a Regional Energy Strategy using a digital twin to model energy systems across the region. Which will include identifying grid capacity challenges across the region. Still a degree of uncertainty of large-scale improvements to distribution and supply networks. Responded National Grid Electricity Distribution consultation and are meeting with them on a regular basis to discuss local grid constraint issues at the Iron Acton substation and changes to</p>

			connection queuing system. Responded to government Barriers to Community Renewables Consultation.
<p>Aggregate generation from dispersed renewables - continued</p> <p>Sort out a mechanism for the council to aggregate generation from dispersed renewables.</p> <p>Purpose: To maximise energy supply from locally generated resources at the lowest cost.</p>	<p>Conversation with Southwest Energy Hub (April 24), Southwest Net Zero Hub exploring next steps with commercial provider, South Gos to support where needed. (April 25) - supply side. Consider if export guarantee arrangements (do higher export values) enable larger installations to take place without the need for aggregated generation.</p>	<p>DEVELOP</p>	<p>Bristol City Council are developing this work through their City Leap project and are currently writing the proposal to give the option for other neighbouring local authorities e.g. South Gos to join in the contract. Request for interest proposal issued.</p>
<p>Explore innovative approaches to managing energy demand, retail of energy and supply - continued</p> <p>Explore the aggregation of dispersed energy potential through sleeved power purchase agreements.</p> <p>Purpose: To maximise energy supply from locally generated resources at the lowest cost.</p>	<p>Conversation with Southwest Energy Hub (April 24), Southwest Net Zero Hub exploring next steps with commercial provider, South Gos to support where needed. (April 25) - demand side. Consider if export guarantee arrangements (do higher export values) enable larger installations to take place without the need for aggregated generation.</p>	<p>IMPLEMENT</p>	<p>Starting to deliver a power purchase agreement which has been developed for the Circadian Trust, Bradley Stoke Leisure Centre. This is a template that can now be used in future contracts.</p>
<p>Community Renewable Energy Trial – Marshfield - continued</p> <p>Move to phase 2 feasibility study. Working with consultant to support Marshfield Community.</p> <p>Purpose: To support a replicable low carbon heating/energy trial in a local community.</p>	<p>Work to support SIFFFT project community wind opportunities in Marshfield, site viability exploration (June 24).</p>	<p>DEVELOP</p>	<p>Working with the West of England Combined Authority funded Sustainable Innovative Foundations for Financing Technologies (SIFFT) project to explore opportunities for wind on council owned property and wider renewables opportunities with communities. Initial site investigations work including ecology assessments completed for identified sites. The Marshfield site has some restrictions</p>

			due to existing ecology as well as grid constraints and other issues in the context of wind other opportunities to be explored. Also, working through SIFFFT with Emersons and Lyde Green Community Energy Community Interest Company exploring local opportunities.
<p>Area Wide Community Renewables development - continued Work with community energy groups that come forward to identify sites for solar PV and wind</p> <p>Purpose: To enable increases in renewable energy provision.</p>	Support exploration of council and privately owned sites for project development SIFFFT project and other opportunities (November 24), Providing suitable planning context for regulation 19 version of the local plan (December 24).	IMPLEMENT	Supporting the exploration of council own land for project development working with the SIFFFT project a small number of sites have now been identified and we are working with our Property Services department and Members on the consideration of these sites working up to further decision-making points. Safeguarding up to 11 sites for wind in the Local Plan policy development process working towards Regulation 19 stage of the local plan. We are supporting the local community renewables sector with regular meetings where they can come together to explore opportunities and strengthen the sector locally. Talking to Bristol Energy Cooperative to explore opportunities on council owned properties.
<p>Solar on SGC buildings - continued To install solar on council owned buildings.</p> <p>Purpose: To increase renewable energy provision, encourage others to do so with their own land and to support innovation in delivery.</p>	Reducing emissions	DEVELOP	Business case finalised summer 2024, report to Cabinet with a detailed solar feasibility and full business case included - recommendation to approve installation of maximum solar capacity on council owned

			buildings - goes to full Council for a decision December 24.
THEME: GREEN INFRASTRUCTURE AND NATURE RECOVERY			
PLANNED ACTIONS (2024/25)	PURPOSE	PROJECT STAGE	PROGRESS
<p>GI and Nature Recovery Action Plan to 2030 - continued</p> <p>Continue implementation of the 77 projects in the adopted GI and Nature Recovery Action Plan to 2030 programme as detailed in Appendix 5 including for 2024/25 to:</p> <ul style="list-style-type: none"> • Continue delivery of our externally funded strategic Green Infrastructure and Nature Recovery projects including Common Connections, the Tree Canopy Project, River Frome Reconnected, Frome Valley River Reserve, Resilient Frome and Hawkesbury and Inglestone Commons. • Work with the Combined Authority and appointed consultants to prepare the outline business case for the Lower Woods Link strategic GI project. • Prepare the outline business case for the String of Pearls strategic GI project to restore, improve and connect wetland in the Severn Vale to deliver resilience and nature recovery objectives. 	<p>Specific - To deliver priority projects and work for 2024/25 to maintain and increase the number of actions which are on track or completed across the 77 actions in the GI and NR Action Plan to 2030 and report on progress at Cabinet/Council December 2024.</p> <p>Measurable - Measure progress for each action aligned with Council Plan commitments ratings of: Complete or has become business as usual; On track, No concerns; Minor Slippage; No Progress, major concerns.</p> <p>Achievable - To focus and drive work forward at the pace and scale needed to respond to the Climate and Nature Emergency, ambitious goals and targets are needed. The council and our partners are working together to deliver on these commitments to achieve the GI Strategy vision for 'greener places where people and nature thrive' and contribute to the Climate Change Strategy vision 'For a climate resilient South Gloucestershire with a thriving low carbon economy and</p>	<p>PREPARE, DEVELOP AND IMPLEMENT</p>	<p>Updates on key GI and Nature Recovery projects for 2024/25 highlighted in Row B and in the 2023 cabinet report are:</p> <ul style="list-style-type: none"> • Delivery of all externally funded strategic Green Infrastructure and Nature Recovery projects on track including Common Connections, the Tree Canopy Project, River Frome Reconnected, Frome Valley River Reserve, Resilient Frome and Hawkesbury and Inglestone Commons. • A draft outline business case has been prepared for the Lower Woods Link strategic GI project led by the Combined Authority and appointed consultants with SGC officer support • A successful bid to the Combined Authority secured £370K Green Recovery Funding alongside £304,152 partner match funding for the Linking the Levels project (previously String of Pearls) strategic GI project. The project is underway and aims to restore, improve and connect habitat in the Lower Severn Vale, Levels and Shore area of South Gloucestershire to deliver resilience and nature recovery objectives.

<ul style="list-style-type: none"> • Seek funding to progress current concept stage strategic GI projects to business cases including for action to restore the Little Avon River catchment. • Work with partners to identify opportunities, priorities, and funding to apply a whole catchment approach to improve and restore the Siston and Warmley Brooks to deliver improvements for nature, water quality and flood resilience. • Apply the councils strategic GI corridors work and adopted Supplementary Planning Documents (SPDs) to include GI, Nature. Recovery and Climate Change considerations in the South Gloucestershire Local Plan • Update our Orchards Policy for orchards on council owned land. • Continue to implement our policies for nature on pesticides, plant biosecurity and pollinators. • Continue to trial dog free areas on council owned key sites in the nesting season to protect ground nesting birds and restore biodiversity. • Continue to support volunteering and friends' groups who work with the council and local communities to help care for green infrastructure 	<p>lifestyle reflected in our travel, homes, businesses, and communities, where nature can flourish.'</p> <p>Realistic - Whilst completing all 77 actions in the GI and NR Action Plan is necessarily ambitious, the pace, scale and investment in the work needed is accelerating and significant progress has already been achieved across the programme.</p> <p>Timebound - The GI and NR Action Plan includes actions to deliver a programme of priority work to 2030 contributing to action in response to the Climate and Nature Emergency in South Gloucestershire.</p>	<ul style="list-style-type: none"> • Restoring the Little Avon River catchment now included as a priority catchment for development funding in the forthcoming updated Bristol Avon Catchment Partnership Plan and WENP prospectus 'Restoring Rivers' programme, to seek funding to progress current concept stage strategic GI and NR projects to business cases • Thriving Waters (a new strategic programme to restore the Siston and Boyd catchments) is now included as a priority catchment for development funding in the forthcoming updated Bristol Avon Catchment Partnership Plan and West of England Nature Partnership Prospectus 'Restoring Rivers' programme, to seek funding to progress current concept stage strategic Green Infrastructure and Nature Recovery projects to business cases • The councils strategic GI corridors work has been completed and published and is being applied alongside our adopted Supplementary Planning Documents (SPDs) to include GI, Nature. Recovery and Climate Change considerations in the South Gloucestershire Local Plan • Orchards Policy for orchards on council owned land has been prepared and is currently being reviewed
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<p>and nature in South Gloucestershire.</p> <ul style="list-style-type: none"> • Work with regional partners to prepare and implement the Local Nature Recovery Strategy (LNRS) and update our environmental data including for Sites of Nature Conservation interest (SNCIs). <p>Purpose: 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>A selection key GI and Nature Recovery Action Plan projects for 2024/25 are detailed below:</p>			<ul style="list-style-type: none"> • The Council has continued our work to implement our policies for nature on pesticides, plant biosecurity and pollinators. • Seasonal dog free areas on council owned have been expanded for key sites in the nesting season to protect ground nesting birds and restore biodiversity. Sites include the Common Yate. Our new Biodiversity Park, Jubilee Park has a dog free area. Work is underway to update the Councils policy regarding dogs on council owned public open spaces. • Continue to support volunteering and friends' groups who work with the council and local communities to help care for green infrastructure and nature in South Gloucestershire. • The West of England Local Nature Recovery Strategy (LNRS) has been prepared and launched 7 November 2024. We are working with regional partners on a programme of work to update our environmental data including for Sites of Nature Conservation interest (SNCIs).
<p>Year 5 monitoring of progress towards our Nature Recovery Goals - continued Monitor and report on progress on Nature Recovery Goals and SMART targets set in Year 4.</p>	<p>Specific - Deliver priority projects and work for 2024/25 and report on progress at Cabinet/Council December 2024, to report and track progress on the South Gloucestershire Nature Recovery Goals for tree canopy cover, land managed</p>	<p>IMPLEMENT</p>	<p>Work and progress to deliver the South Gloucestershire Nature Recovery Goals continues and has been supported through securing external funding. However, the scale of work and resource needed to achieve these goals remains a significant</p>

<p>Purpose: 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>	<p>positively for nature, closing nature recovery network gaps and water catchment ecological status.</p> <p>Measurable - Measure annual progress for each goal from the 2020 baseline and report progress to December cabinet/council.</p> <p>Achievable - To focus and drive work forward at the pace and scale needed to respond to the Climate and Nature Emergency, ambitious goals are needed for nature recovery. The council and our partners are working together to deliver the GI Strategy vision for 'greener places where people and nature thrive' and contribute to the Climate Change Strategy vision 'For a climate resilient South Gloucestershire with a thriving low carbon economy and lifestyle reflected in our travel, homes, businesses, and communities, where nature can flourish.'</p> <p>Realistic - Whilst achieving these Nature Recovery Goals is necessarily ambitious, the pace, scale and investment in the work needed is accelerating and significant progress has already been achieved.</p> <p>Timebound - The Nature Recovery Goals are to 2030, and annual work and progress will be reported to the December 2024 Cabinet and Council as part of the annual Climate and Nature Emergency Action Plan progress report.</p>		<p>challenge, though is essential to drive and accelerate the ambition, work and focus required.</p> <p>1. Double tree canopy cover</p> <p>Goal: 'Plant and establish trees across South Gloucestershire by 2030, that will double tree canopy cover at maturity.'</p> <p>2020 Baseline: Tree canopy covered 12% of South Gloucestershire at Summer 2020. Assessed using Bluesky satellite data and the Tree Canopy Tool. To be reassessed in Summer 2025 and every 5 years to track progress.</p> <p>Key principles:</p> <ul style="list-style-type: none"> • 'Right tree right place' • 'caring for the trees and woodlands we already have' • 'importance of establishment and management of newly planted trees so they will grow and thrive to optimise canopy cover and other benefits' <p>Current delivery:</p> <ul style="list-style-type: none"> • Tree Canopy Project (£1.1 million WECA Green Recovery Fund) • Forest of Avon Trees for Climate funded tree planting • Western Forest - Forest for the Nation partnership bid submitted • SGC Tree nursery (holding nursery for trees before planting out) • Delivering the Tree Asset Management Plan for trees the council is responsible for
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		<ul style="list-style-type: none"> • Town and Parish Council Local Climate and Nature Action Plans (LCNAPs) includes tree planting • Tree Week and Community Nature Reserves, residents tree planting and manage gardens for nature • The ICaN scheme portfolio includes tree planting on council owned land. • Our GI and Nature Recovery strategic programmes include tree planting, woodland creation, and nature-based solutions e.g. Common Connections, Linking the levels, River Frome Reconnected, Lower Woods Link. This includes working with landowners on Tree planting, woodland restoration, and creation projects with FWAG, BART, Wildlife Trusts, Woodland Trust, and other partners. <p>2. 30% of land manage positively for nature</p> <p>Goal: 'Increase the area of land managed positively for nature – 30% by 2030'</p> <p>2020 Baseline: 11.58% (6,612 hectares) of South Gloucestershire is designated for nature. This includes Local Nature Reserves (LNRs), Sites of Special Scientific Interest (SSSI) and Sites of Nature Conservation (SNCI) Interest with all overlaps accounted for. The unitary local authority area of South Gloucestershire covers 53,644.7 Hectares.</p> <p>Current delivery:</p>
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		<ul style="list-style-type: none">• Regional 30 by 30 working group in place and work underway to survey and review SNCIs and update Local Sites partnership governance.• £100k funding from 2024/5 planning policy climate/nature funding to deliver SGC ecological survey work through a limited term ecology post for on-site surveys in 2025 including Sites of Conservation Interest (SNCI).• 2 new Local Nature Reserve (LNR) site designations being prepared (Woodwell Meadows and Centenary Fields)• Partners including Forest of Avon, Farming and Wildlife Advisory Group (FWAG) and the Council are working with private landowners and estates to improve positive management for nature as part of the regional 30 x 30 work and local projects in S Glos with scope for designation of new SNCIs• Environmental Land Management Sites (ELMS), Biodiversity Net Gain (BNG) sites where applicable (to note BNG sites only to include the area equivalent of the % gain e.g. 10%) <p>Work which is increasing the amount of land managed positively for nature though is not currently included in formal 30 by 30 calculations includes:</p> <ul style="list-style-type: none">• Council property retrofit for nature sites on track for projects agreed for 2024/25
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		<p>including the Common Yate, other public open spaces, and highway verges.</p> <ul style="list-style-type: none"> • 25 Town and Parish Councils who cover 28,393 hectares of South Gloucestershire are now delivering Local Nature Action Plans which include specific areas managed positively for nature under a management plan • Externally funded landscape scale nature recovery projects including Common Connections, linking the Levels, Resilient Frome are delivering site improvements with landowners on 3rd party land and council owned land • Community Nature Reserves – new initiative launched this year working with residents to manage private gardens better for nature across a community which together create a ‘community nature reserve’ where nature can move and thrive. Community Nature Reserves launched in Emersons Green Willsbridge and Warmley with over 300 households involved so far and interest to deliver the scheme in other areas. <p>3. Connecting sites for nature Goal: ‘Close at least 24 of the 60 Nature Recovery Network connectivity gaps through the creation of new habitat by 2030’ 2020 Baseline: 30 wetland, 15 grassland, and 15 woodland gaps. Current Delivery:</p>
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		<ul style="list-style-type: none">• Work is underway to close 40 of our Nature Recovery Network gaps by the Farming and Wildlife Advisory Group (FWAG) and Bristol Avon Rivers Trust (BART). This follows assessment of priorities, opportunities, and land ownership (see Nature Recovery Gaps project update).• 40 projects are now underway in the identified gaps: 28 wetland, 5 woodland, 7 grassland projects.• The definition of a filled gap in the wildlife network is being considered.• Another large meadow creation project was successfully completed autumn 2024 with our project partner the Farming and Wildlife Advisory Group (FWAG).• Work is underway on fish passes to be retrofitted to the weirs at South Glos council owned Three Brooks nature reserve in Bradley Stoke. These weirs are key blockers in the Frome network and adding fish passes will open up the river allowing much better connectivity for a range of fish species but eels in particular which are critically endangered. South Gloucestershire council's financial contribution has supplemented the main budget which is being provided by the Environment Agency.• Officers working with regional leads and partners to prepare the West of England Local Nature Recovery Strategy is also
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		<p>identifying priorities including to close Nature Recovery Network gaps through forthcoming statutory processes and requirements to deliver Biodiversity Net Gain.</p> <ul style="list-style-type: none"> • To consider role of private residential gardens and Community Nature Reserves in closing gaps in the Nature Recovery Network <p>4. Improving our river catchments</p> <p>Goal: 'work with partners to increase the number of water catchments in our area which have moderate or good ecological status by 2030'</p> <p>2019 Baseline: Catchment ecological status using Water Framework Directive: SGC has 33 catchments. Good-5 (15.15%) Moderate-19 (57.57%), Poor-6 (18.18%), Bad-0 (0%), No Data -3 catchments (9.09%). No further updates on data have been released since 2019.</p> <p>Current Delivery:</p> <ul style="list-style-type: none"> • River Frome Catchment Plan • Resilient Frome Defra Innovation programme including natural flood management projects • Frome Valley River Reserve • Bristol Avon Catchment Plan delivery • Linking the Levels Project. A new West of England Combined Authority funded landscape scale partnership project to restore nature across the Lower Severn
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			<p>Vale, levels, and shore of South Gloucestershire</p> <ul style="list-style-type: none"> • Sustainable Urban Drainage in Investing in Climate and Nature portfolio • Thriving Waters – development funding being sought to develop and deliver a catchment improvement programme for Siston and Warmley Brook and River Boyd • Implementation of the Local Plan Sustainable Urban Drainage (SUDs) SPD • The updated Bristol Avon Catchment Plan and regional environment portfolio (WENP) will include Thriving waters, Linking the Levels and the Little Avon as new strategic programmes for development and delivery • Highways run off project is underway working with regional and national partners to identify and reduce chemical and contaminate load from highway run off entering water courses • Local Flood Risk Management Strategy implementation • Stormwater outfalls working group priorities identified for action
<p>Planting sufficient trees to double tree canopy cover – Year 5 - continued 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>Specific - Plan and deliver the 2024/2025 tree planting programme of the Tree Canopy Project Measurable - All trees planted, and potential planting locations are mapped on the Councils Tree Plotter system. Achievable - Planting locations have been surveyed and agreed. Green Recovery</p>	<p>IMPLEMENT</p>	<ul style="list-style-type: none"> • Delivery of the £1.1million WECA funded Tree Canopy Project is on track for planting for the 2024/25 season and locations and events scheduled • Planting completed in 11 wards of 1921 new heavy standard trees, including Bradley Stoke South, Bradley Stoke Central and Stoke Lodge, Filton, Kings Chase,

<p>Purpose: To progress work on the council's commitment to double tree canopy cover.</p>	<p>Funding (from WECA) and grant funding from other sources is enabling tree planting for the 2024/25 season to be delivered and establishment and maintenance. Further funding for future planting is being sought.</p> <p>Realistic - Increasing tree canopy cover is essential to deliver priorities for climate adaptation and resilience, nature recovery and social benefits including to reduce inequalities.</p> <p>Timebound - Tree planting delivered and underway for the 2024/25 planting season will be reported to the December 2024 Cabinet and Council as part of the annual Climate and Nature Emergency Action Plan progress report.</p>	<p>Oldland Common, Parkwall, Stoke Gifford, Thornbury South and Alveston, Woodstock, Yate Central and Yate North.</p> <ul style="list-style-type: none"> • In addition, 600 forestry whips planted to compliment two schemes in the county. • Forest of Avon Trees for Climate funded tree planting • Western Forest - Forest for the Nation partnership bid submitted • SGC Tree nursery (holding nursery for trees before planting out) • Delivering the Tree Asset Management Plan for trees the Council is responsible for • Town and Parish Council Local Climate and Nature Action Plans (LCNAPs) includes tree planting • Tree Week and Community Nature Reserves, residents tree planting and manage gardens for nature • The Investing in Climate and Nature Scheme (ICaN) portfolio includes tree planting on council owned land. • Our GI and Nature Recovery strategic programmes include tree planting, woodland creation, and nature-based solutions e.g. Common Connections, Linking the levels, River Frome Reconnected, Lower Woods Link. This includes working with landowners on Tree planting, woodland restoration, and creation projects with Farming and Wildlife Advisory Group, Bristol Avon Rivers Trust,
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			<p>Wildlife Trusts, Woodland Trust, and other partners.</p> <ul style="list-style-type: none"> • Whilst significant progress has been achieved at 2024/25, the goal for 2030 remains a significant challenge and will require involvement of 3rd party landowners in tree planting to achieve this goal. Organisations such as Forest of Avon Trust (FOAT) and the Farming and Wildlife Advisory Group (FWAG) are continuing to engage with landowners to increase canopy cover on land outside of the influence of the Council. Using data provided by the TreePlotter Canopy software the figure for total tree canopy cover in the county in 2020 stood at 12%. This software also indicates that the total feasible increase in canopy cover (if all suitable land in the county is planted) will only raise the level to 18%. This does however mean that based on this data that achieving the 2019 Declared Climate Emergency aspiration of doubling tree canopy is a physical impossibility.
<p>Delivering new statutory requirements Biodiversity Net Gain (BNG) to be achieved from January 2024</p> <p>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</p>	<p>Following enactment of new statutory requirements regarding Biodiversity Net Gain (BNG) through the Environment Act 2021 and publication of government requirements and guidance, the Council has policy and operational arrangements in place, for securing mandatory 10% BNG to be delivered through the large and</p>	<p>IMPLEMENT</p>	<p>Completed. Management of council Biodiversity Net Gain duties is now part of Council business as usual, managed by the councils Strategic Planning Service.</p>

<p>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>Purpose: To prepare developers, the council, and the public for the delivery of Biodiversity Net Gain.</p>	<p>small sites metrics through the statutory planning process. Accordingly, the management of council BNG duties is now part of Council BAU, managed by the councils Strategic Planning Service.</p>		
<p>Connecting our nature recovery network - continued 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>Specific - Report on progress on work Connecting Nature Recovery Network gaps for 2024/2025. Measurable - Measure progress Close at least 24 of the 60 Nature Recovery Network connectivity gaps through the creation of new habitat by 2030'. 2020</p>	<p>DEVELOP/ IMPLEMENT</p>	<p>Nature Recovery Network gap projects being delivered/on track in 2024/2025 include: 40 projects are now underway in the identified gaps: 28 wetland, 5 woodland, 7 grassland projects. Whether these truly fill</p>

<p>Purpose: To deliver progress on the Nature Recovery Goal and SMART target to reduce the number of gaps in the Nature Recovery Network.</p>	<p>Baseline: 30 wetland, 15 grassland, and 15 woodland gaps. Achievable - This target is necessarily ambitious to drive action, and the council and our partners are working together to progress and deliver work to close NRN gaps. Realistic - This target is necessarily ambitious to drive action, and the council and our partners are working together to progress and deliver work to close NRN gaps. Timebound - This target is to close at least 24 of the 60 NRN gaps by 2030.</p>		<p>a gap in the wildlife network is debateable and we may need further consideration. Another large meadow creation project was successfully completed autumn 2024 with our project partner the farming and wildlife advisory group (FWAG).</p> <p>2024/25 work is currently underway on fish passes to be retrofitted to the weirs at South Glos council owned Three Brooks nature reserve in Bradley Stoke. These weirs are key blockers in the Bristol Frome network and adding fish passes will open up the river allowing much better connectivity for a range of fish species but eels in particular which are critically endangered. South Gloucestershire council's financial contribution has supplemented the main budget which is being provided by the Environment Agency.</p>
<p>Reconnecting Nature Highways - tackling transport network severance for wildlife - new 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>Purpose: to gather evidence and identify and map priority locations and prepare a business case for capital delivery of retrofit improvements and design recommendations for</p>	<ul style="list-style-type: none"> • Report on the impacts of transport severance on wildlife locally. • Report on the positive impacts of existing wildlife passages installed in South Gloucestershire. • Produce a map layer accessible to all staff on priority locations for wildlife passages. • A business case for retrofitting wildlife passages. 	<p>DEVELOP/ IMPLEMENT</p>	<ul style="list-style-type: none"> • 5 motorway underpasses have been surveyed for bat movements under motorways and confirmed usage of several by this species. • locations of transport severance have been identified and mapped across South Gloucestershire and over 100 sites identified to be severed in terms of wildlife connectivity

<p>new infrastructure to reduce the impacts of transport severance for wildlife.</p>	<ul style="list-style-type: none">• Report containing design recommendations for new infrastructure to reduce the impacts of transport severance for wildlife.		<ul style="list-style-type: none">• Transport Severance mapping is progressing, now reaching out to neighbouring authorities to map their existing Nature Connectivity Infrastructure.• Capacity constraints to progress business case or policy document and seeking development funding to provide capacity for next steps made available to allow progress on this area of work.• Through the Linking the Levels project the council is working with Bristol Zoological Society on transport severance. key transport severance locations have been identified and mapped, camera traps deployed in trial locations and monitoring is underway in the Lower Severn Vales and levels area of South Gloucestershire.• A new regional strategic programme on tackling transport severance has been included in the forthcoming regional West of England Nature Partnership prospectus, building on Council led work and research, to seek funding to prepare a business case for development funding to deliver a programme of retrofit work and design guides for new infrastructure in South Gloucestershire and the West of England.
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<p>Sedum traffic islands trials – new Research and pilot use of sedum for traffic islands and infrastructure.</p> <p>Purpose: pilot use of sedum to reduce heat island effect, improve drainage, reduce maintenance, improve fire resilience, hold moisture well, salt tolerance etc...</p>	<p>This project will take minimum of one currently grassed traffic island and lay it down with Sedum (May-July 24). We will then monitor for one year and see if it proves to be low maintenance, cope with the increasing hot summers and provide multiple ecosystem benefits.</p> <p>There will be site visits regularly throughout the trial period of one year, checking for weed growth, sedum growth, litter and this will be put together into a report for member and colleagues as to whether we should adopt this for more of our highway infrastructure.</p>	<p>PREPARE</p>	<p>The trial site for sedum traffic island has been assessed and agreed, suppliers identified, and contractors identified. Awaiting final costings. Members and highway scrutiny team briefed. Installation, subject to affordability is due in Winter 2024.</p>
<p>Reducing chemical and particulate load in local highway water run off - new Deliver priority site improvements to reduce chemical and particulate from highway run off at identified hot spots.</p> <p>Purpose: 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>	<p>Specific - deliver 20204/25 project work for contaminant sampling and ecological surveys of selected highway run off discharge points in South Gloucestershire, identify potential solutions and recommendations for further action including seeking delivery funding</p> <p>Measurable - contaminant and ecological data will be gathered using sector recognised methodology overseen by the project steering group. Data on traffic flows, rainfall and other information will also be applied.</p> <p>Achievable - additional funding has been secured from Dept for Levelling Up (managed by WECA) and the project</p>	<p>PREPARE AND IMPLEMENT</p>	<ul style="list-style-type: none"> • The externally funded Highway Run off partnership project is on track. • Highway outfall sites have been identified, upstream and downstream ecological surveying completed, and auto samplers deployed to capture information re contaminants. • A further national partnership bid led by the Association of Directors for Environment Planning and Transport (ADEPT) and Stormwater Shepherds with the Council, Bristol Avon Rivers Trust and Bristol Avon Catchment Partnership has been submitted for Rees Jeffreys funding to research the specific impacts to invertebrates beyond presence/absence including levels of mutation, viability etc

	<p>steering group includes regional and national experts and partners. Realistic - working with sector leading partners who routinely deliver water sampling and monitoring and design solutions. Timebound - This project will be completed by March 2025, however further funding maybe secured to extend it.</p>		<p>which will further inform design of solutions and the business case for funding and delivery to manage and reduce the impacts of contaminants from highway run off entering water courses and ecosystems.</p>
<p>Revitalising the Brooks – new 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>Purpose: 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>	<p>To deliver the objectives, priorities and work set out in the Revitalising the Brooks outline business case to seek funding to set out an agreed, costed and prioritised programme of work to improve water quality, flood and drought resilience, habitat connectivity, pollinator habitat, citizen science, community action, improved biosecurity and protected species recovery for the Siston and Warmley brook.</p>	<p>PREPARE/ DEVELOP/ IMPLEMENT</p>	<p>Catchment pollutants and walkover survey designed for Alloy Council Asset Management System to gather baseline information building on Bristol Avon Rivers Trust catchment survey tools to be compatible with the council mapping system. Applying to the West of England Combined Authority for funding and small business case put forward for development funding. Strategic vision document has been started and Full project business case in development. Thriving Waters included as a priority programme in the Bristol Avon Catchment Plan and forthcoming regional environment prospectus.</p>
<p>Biodiversity retrofit of Public Open Spaces - continued 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>The Common, Yate: Complete biodiversity and community surveys, working with a consultant to produce a Vision Report for the Common, Yate before the end of April 2024. This will include Biodiversity Net Gain baseline assessment and</p>	<p>IMPLEMENT</p>	<p>The Common, Yate: Community surveys complete with 360 respondents indicating their value of the common and support to manage it for nature whilst enabling people to maintain access.</p>

<p>Purpose: Contribute to the Nature Recovery Goal to increase the amount of land managed positively for nature.</p>	<p>costed proposals for biodiversity improvements generating BNG units. There will be community engagement working towards the regeneration of an active Friends Group with a minimum of 5 community volunteer activities by December 2024.</p> <p>Gover Road open space: Commission specialist consultants to produce a BNG condition survey for Gover Road open space, Hanham to be completed by the end of June 2024. This will build on the Preliminary Ecological Assessment.</p> <p>Southey Park: To work with community groups to plant a minimum of 16 standard trees and 27 light standards pot grown fruit trees will be planted to enhance biodiversity and people's wellbeing when, visiting the site by the end of April 2024. Additional shrub bulb planting will be completed by April 2025.</p>		<p>Biodiversity surveys complete with BNG baseline assessment and costed proposals. With a successful S106 funding bid and working with partners there has been work towards addressing some of the requirements from the community and biodiversity surveys. These have mainly involved working with communities. There have been 25 community activities, walks or practical work, July 2024-Feb 2025. Installation of volunteer-run bird monitoring using AI sensors. Obtaining 60,000+ records May-Sep 2024. Trial of dogs on leads in one of the three meadows of the Common, Yate. Dog restrictions were supported in the community and biodiversity surveys. Skylarks have been observed on the ground in this area.</p> <p>Gover Road: Gover Road Preliminary Ecological Appraisal and Biodiversity Net Gain assessment has been completed by consultants, July 2024.</p> <p>Southey Park: - 23/24 works delivered and 24/25 works scheduled and on track.</p>
<p>Community training programme - continued Deliver training for community groups and volunteers to support maintenance of local</p>	<p>Specific: To deliver training to members of community groups who support the Council's management of green and blue spaces; to enable volunteers to maintain</p>	<p>IMPLEMENT</p>	<p>Training sessions already delivered: Meadow management - 6 attendees Bat walk and information - 2 sessions, total 27 attendees.</p>

<p>nature sites including formal parks and Local Nature Reserves.</p> <p>Purpose: Contribute to GI and Nature Recovery Action Plan action (E4) Invest in training and green skills and (T3) support for community groups.</p>	<p>green and blue spaces for the benefit of wildlife and biodiversity.</p> <p>Measurable: Deliver 15 volunteer training sessions for a minimum of 8 volunteers per session</p> <p>Agreed: Aligns with objectives in the Green Infrastructure and Nature Recovery Action Plan and the Service Improvement Plan for the Community Spaces Improvements team 2024/25</p> <p>Realistic: To be delivered by the Council's Volunteer Groups Support Officer</p> <p>Timebound: Training to be delivered during the financial year 2024/25.</p>		<p>Training sessions that have been confirmed to be delivered:</p> <ul style="list-style-type: none"> Wetland management Bird box installation Hedgerow management (2 sessions) <p>Additional training sessions to be confirmed.</p>
<p>Ponds restoration programme - continued</p> <p>Works to restore Warmley Forest Park attenuation pond to improve natural flood management, nature recovery, resilience, and biodiversity.</p> <p>Purpose: Progress implementation of the pond's restoration programme of the GI and Nature Recovery Action Plan action (W5) Restore our ponds.</p>	<p>Specific: To undertake habitat management improvements to at least one pond in 2024/25 and bring it into favourable condition.</p> <p>Measurable: Works undertaken on one pond within 2024/25 year</p> <p>Agreed: Project included in the Service Improvement Plan for the Community Spaces Improvements team 24/25. Aligns with objectives in the Green Infrastructure and Nature Recovery Action Plan and the Service Improvement Plan for the Community Spaces Improvements team 2024/25.</p>	<p>IMPLEMENT</p>	<p>Ponds restoration programme - all works for 2024/25 on track for desilting works to restore Kelbra Crescent pond to favourable condition. Restoration of Warmley Forest Park Pond will be progressed in 25/26 following an update from the Environment Agency.</p>

	<p>Realistic: Quotes need to be obtained, but £60,000 has been allocated to this project. Project to be delivered by Partnerships and Delivery Officer.</p> <p>Timebound: Works to be implemented outside of amphibian breeding season. Works will commence between September and February.</p> <p>The aim of this project is to improve our wetland asset by bringing in at least one pond back into favourable condition. This aligns with Year 5 of the Council's Climate and Nature Emergency Action Plan.</p>		
<p>Birdlife Resilience project - continuation 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>Purpose: The project will gather vital data to contribute to ongoing research by the British Trust for Ornithology by collecting data</p>	<p>Specific: To undertake bird box installation and monitoring programme on at least one site, namely Jubilee Park, Cadbury Heath and or Splatts Abbey Wood, Cheswick.</p> <p>Measurable: Works undertaken on one within 2024/25 year</p> <p>Agreed: Project included in the Service Improvement Plan for the Community Spaces Improvements team 24/25. Aligns with objectives in the Green Infrastructure and Nature Recovery Action Plan and the Service Improvement Plan for the Community Spaces Improvements team 2024/25.</p>	<p>IMPLEMENT</p>	<p>18 bird boxes placed at Jubilee Park with the help of experts to find suitable locations and place them correctly. Woodcrete boxes were chosen for this project due to the longevity of the materials.</p> <p>Follow up visit with naturalist and members of the public to inform them of the locations of the boxes and looking for sign of use from ground level. Plan to have another visit from the naturalist on this project to maintain the boxes ahead of the next nesting season.</p> <p>This project includes the continuation of nest monitoring at Sims Hill and the</p>

<p>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>	<p>Realistic: Quotes currently being sourced, but £5,000 has been allocated to this project to cover cost of materials and time. Project to be delivered by Partnerships and Delivery Officer. Timebound: Works to be implemented as soon as possible, with active monitoring programme set up from May onwards. Project to be completed by March 2025.</p>		<p>installation of 20 bird new boxes for blue and great tits at Abbey Wood where nests will also be monitored following a similar approach to the one at Sims Hill. In addition to installation, this includes follow up visits to carry out monitoring and mist netting with the help of a local ornithologist.</p>
<p>Play areas retrofit for Climate and Nature - new 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>Purpose – 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>	<p>S - At least 5 sites to undergo design for climate and nature retrofit GI improvements (December 24) and works to be delivered by March 2025 where appropriate. Sites to be in or adjacent to play areas and work designed to deliver GI improvements in drainage, shading, pollinator habitat, amenity, and other benefits. M - Measures to track progress will depend on site designs and include the number of trees planted, length of new hedgerow created, area improved for drainage using nature -based solutions, area of pollinator habitat created or improved, R - The work will be managed by the councils Landscape Design team working closely with the Place Facilities Manager and Grounds Manager and all projects will include maintenance requirements, costs, and responsibilities.</p>	<p>IMPLEMENT</p>	<p>Work is underway and on track. Springfield park play area tarmac surface being removed and wildflower meadow area created. Emersons Green park play area rain garden designed and work being scheduled. Tree planting within or immediately adjacent to at least 4 play areas will be planted 2024/25 with WECA Green Recovery Funding through the Tree Canopy Project.</p>

	T - Design and delivery to be during the financial year 2024/25.		
<p>Emersons Green Park Accessibility Project – new</p> <p>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>Purpose – 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>	<ul style="list-style-type: none"> • Emersons Green Park Accessibility Project – new 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. • SMART targets identified: Complete one Access Plan for Emersons Green Park. To include Disability Access Audit / consultation session with South Gloucestershire Disability Action Group and Friends Group. 	DEVELOP	Access Audit survey work has been completed with equalities groups and the report has been prepared. Next steps are to present and discuss the report with equalities groups and to then plan access improvement priorities and to seek funding for delivery.
<p>Kingswood Park - continued</p> <p>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, adaptation and nature recovery funded with council Climate and Nature Emergency CIL (Community Infrastructure Levy) match funding for 2024/25.</p> <p>Purpose: to provide 2024/25 agreed match funding to integrate and optimise Climate and Nature Emergency objectives in delivering the</p>	<p>Deliver the 2024/25 work and outputs of the Kingswood Park Restoration Delivery Plan and Activities Plan as agreed with the National Lottery Heritage Fund (NLHF) funder, the local community, partners, and the council.</p> <p>https://beta.southglos.gov.uk/restoring-kingswood-park/</p>	DEVELOP/IMPLEMENT	Kingswood Park team in post and park restoration work and engagement programme underway and on track.

NHLF project to restore and improve Kingswood Park.			
THEME: ADAPTATION AND RESILIENCE			
PLANNED ACTIONS (2024/25)	TARGET	PROJECT STAGE	PURPOSE
<p>Area wide Adaptation and Resilience Strategy – in line with regional strategy development - new</p> <p>Working with the Mayoral Combined Authority to develop a strategic response.</p> <p>Purpose: To ensure South Gloucestershire residents, homes, businesses and area wide infrastructure and services are resilient to the changing climate.</p>	<p>South Gloucestershire Adaptation Plan (technical information) April 2025</p> <p>Initial South Gloucestershire Adaptation Action Plan April 2025</p> <p>ARP4 Reporting to DEFRA December 2024</p>	DEVELOP	<p>Adaptation and Resilience Pathways 4 (ARP4) report will be drafted and go to cabinet and council in our December report as an appendix and then be submitted to Department for Environment, Agriculture and Rural Affairs by end of year (2024). this will contain some actions.</p> <p>Workshops are being undertaken with colleagues in relation to Risk Assessment. Work on a Climate Adaptation Framework for the wider area, looking at the data, West of England Combined Authority ARP4 report and where we as an authority wish to fill gaps and increase resilience will be undertaken in 2025.</p>
<p>Delivering prevention measures – health and climate - continued</p> <p>Deliver actions on climate and health developed by the Health Protection Operations Sub-Group.</p> <p>Purpose: To continue to deliver measures that reduce burdens on health and emergency</p>	<p>Review the delivery of health and climate intervention measures identified in April 23, update list for 24 (May 24), deliver updated list of actions May 24- September 24) include identified measures in developing adaptation and resilience</p>	IMPLEMENT	<p>Joint UK Health Security Agency pilot project on population vulnerability and health completed and final pilot project report issued. Workshop with public health department held in October 2024 to develop a service-based risk assessment.</p>

<p>services and that prevent some of the health impacts from the local impacts of a changing climate.</p>	<p>strategy and action plan and input into scaled up health actions (June 24),</p>		
<p>Region mapping of risks to the transport network - continued 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>Purpose: To increase local flooding and extreme heat resilience to the changing climate across the region.</p>	<p>Engage with the Mayoral Combined Authority about West of England wide assessment of risk to critical infrastructure, (Dec 24)</p>	<p>DEVELOP</p>	<p>Working with Mayoral Combined Authority on ARP4 reporting process developing a regional and a South Glos specific adaptation and resilience plan - internal consultations underway highlighting relevant climate risks including risks to the transport network.</p>
<p>Work to reduce local climate related inequalities - continued Deliver adaptation and resilience measures that reduce inequalities.</p> <p>Purpose: To ensure that equalities issues are taken fully into action in our action plans.</p>	<p>Use health and population vulnerability map to inform the development of the adaptation and resilience strategy that integrates tackling existing inequalities (December 24-April 25).</p>	<p>DEVELOP</p>	<p>Presentation to Health Inequalities Community Resilience Forum July 2024, presentation to Hospitals Discharge Team October 24.</p>
<p>Flooding reduction – Resilient Frome - continued 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</p>	<p>Natural Flood Management</p> <ul style="list-style-type: none"> • April – May 24 arrange councillor briefing. • April 24- March 27 continue to engage with landowners to raise awareness –if necessary, host additional workshops 	<p>IMPLEMENT</p>	<p>Natural Flood Management Councillor briefing outstanding. No additional soil workshop run this year, but we continue to engage with landowners through Farming and Wildlife Advisory Group and Bristol Avon Rivers</p>

<p>we can work with and support the agricultural community.</p> <p>Purpose: Restoration of river flow, to reduce localised flooding and improve nature.</p>	<p>following successful soil workshop March 23.</p> <ul style="list-style-type: none"> • April 24- March 27 deliver Natural Flood Management interventions as outlined in Full Business Case. • April 24- March 27 – host 1-2 public sessions to explain why we are carrying out Natural Flood Management interventions • April 26-March 27 – write up monitoring and evaluation findings. <p>Sustainable Urban Drainage Systems</p> <ul style="list-style-type: none"> • April 24– liaise with strategic transport and regeneration teams to align Resilient Frome SuDs delivery with CRSTS project and other Yate based projects to support inclusion of above ground SuDS in scheme. • April 24 present to Place Board and Infrastructure board re. use of SuDS and blockers to their implementation within the council. • April - May 24 – Liaise further with Chipping Sodbury School to support concept design completion. • November 24 Submit full business case for SuDS work package. 		<p>Trust to enable delivery of Natural Flood Management measures.</p> <p>2024 delivery programme to include attenuation areas, scrapes, tree planting, sustainable land management advice and implementation.</p> <p>Regular online community updates via Frome Forum on Resilient Frome programme. Further public face to face sessions still to be planned.</p> <p>Monitoring - level loggers installed at 3 locations, also investigating fixed point photography at public site.</p> <p>Geographical Information Systems based story map has been created to provide visual overview.</p> <p>Sustainable Urban Drainage Systems</p> <p>Ongoing work liaising with City Region Sustainable Transport Settlements (CRSTS) station road team towards delivery of above ground Sustainable Urban Drainage Systems (SuDs). If we can address maintenance issues.</p> <p>Paper regarding SuDS blockers presented to place board. Needs further evidence and refinement and more financial data before taking further to infrastructure board.</p> <p>Chipping Sodbury school concepts have been accepted by Directors Board and the School is engaging with final option choice.</p>
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			School concepts will be added to Investing in Climate and Nature portfolio to support Innovative Private Funding workstream. full business case for SuDS now rescheduled for 2025.
<p>Risk Management - continued Yearly update of the corporate risk-register to reflect risks from the local impacts of a changing climate.</p> <p>Purpose: To mitigate risk of the negative consequences of a changing climate.</p>	Engage in update of Corporate Risk Register to reflect up to date climate risks to SGC (Dec 24), cross reference corporate risk registers with DEFRA ARP4 adaptation reporting pilot project.	IMPLEMENT	Council Risk Register Updated with Climate Risks 2024.
<p>Departmental Risk Management - continued Develop service risk registers.</p> <p>Purpose: 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>	Discuss at Carbon Management Group (May 24), Bring to Senior Managers Network Meeting (June 24) to discuss implementing in service planning, embed in new adaptation and resilience strategy (25).	IMPLEMENT	Risk registers being developed with departmental managers now through the Adaptation and Resilience Pathways 4 reporting process.
<p>Adaptation and Resilience Surveys for SMEs Work with Mayoral Combined Authority to develop new offer adaptation survey for SMES and businesses.</p> <p>Purpose: To prepare local business for the impacts of a changing climate on infrastructure, supply chains and staff.</p>	Formalise offer to businesses December 24 - subject to MCA agreement funding and implementation.	DEVELOP	Not progressed with West of England Combined Authority - needs to follow on from Adaptation and Resilience Pathways 4 reporting process ARP4 process which identifies risks relevant to the geography.
<p>Adaptation and resilience communication - We will use our Year 5 communications channels to</p>	Design summer heating campaign to accompany summer video (May 24),	IMPLEMENT	Promotion of summer cooling video July 2024 in weekly residents' newsletter (July 24), social media promotion.

<p>help our partners, residents, and businesses to adapt and prepare for the local impacts of climate change.</p> <p>Purpose: To communicate local impacts and steps that can be taken to prepare homes, business and protect health.</p>	<p>promote summer cooling measures (June-August 24), develop communications plan based on area wide adaptation and resilience plan (summer 24).</p>		
<p>Care Homes Research Continued – Pilot Project Phase - Continue project looking to active monitoring of air quality, temperature, moisture, and humidity through the Umbrella network.</p> <p>Purpose: To improve resilience of care homes and other health care facilities to a changing climate.</p>	<p>Consideration of results from pilot project following 12 months trial, decision around wider roll out (October 24)</p>	<p>DEVELOP</p>	<p>The sensors were installed in Falcon Court late 2023. However, during the trial period some of the sensors were removed by residents so the trial period did not run completely as planned with only partial data gathered.</p>
<p>THEME: RESOURCES AND WASTE</p>			
<p>PLANNED ACTIONS (2024/25)</p>	<p>TARGET</p>	<p>PROJECT STAGE</p>	<p>PROGRESS</p>
<p>New Waste Contract - new 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>Purpose: To continue local and regional efforts to reduce emissions from waste.</p>	<p>To take new contract to final ratification at Cabinet in Nov and contract will then start in August 25.</p>	<p>DEVELOP</p>	<p>New contract agreed at Cabinet November and contract will then start in August 25.</p>

<p>Resources and Waste – 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>Purpose: To reduce carbon emissions from waste and transportation of waste and maximise use of resources locally.</p>	<p>Measured by satisfaction, existing high satisfaction across all communities, slightly lower in those with learning difficulties, therefore we will look at messaging to see if we can put better messages out there, ready for the next satisfaction survey, and will continue to monitor satisfaction and see if it improves in the following survey.</p>	<p>IMPLEMENT</p>	<p>Messaging methods and current signage provision has been reviewed for satisfaction and effectiveness.</p>
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