

## Appendix 3

### Climate and Nature Emergency Action Plan – Year 4 (2023/24)

This action plan sets out work which is being funded through the Climate and Nature Emergency budget for Year 4; 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 'shovel ready' pending funding opportunities.

- Projects in the white boxes are new projects
- Projects in the blue boxes are the year 4 phase of a project started in the year 3 action plan

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

#### Project stages defined:

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

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

- Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions).
- Plug gaps in action on decarbonising heat.
- Maximise business engagement in carbon emissions reduction.
- Maximise advice and support for active travel, support EV charging infrastructure roll-out.
- Work with WECA (plus the national and local highways authorities) to consider adaptation in transport planning.
- Maximise growth of renewable energy across the area.

- Maximise green economic development. Target certain high impact sectors in industry and commerce, and encourage new green tech, services, and businesses to locate in our area.
- Maximise climate and nature policies in the local plan
- Align forces with WECA and regional partners to ramp up action across the region.

**Council recommendations to deliver carbon neutrality**

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

Complementing work to deliver the area wide recommendations to deliver carbon neutrality and adaptation and resilience in the Plan to 2030 report, the action plan below also sets out priorities for Green Infrastructure and Nature Recovery for year 4 as agreed in the adopted Green Infrastructure and Nature Recovery Action Plan 2021. To note that progress to reduce inequalities is a theme across all actions in the plan and is included in the annual report and Equalities Impact Assessment to cabinet.

**Climate Emergency Theme: Cross Cutting**

PLANNED ACTIONS (2023/24)	PURPOSE	PROJECT STAGE	INDICATIVE CLIMATE EMERGENCY BUDGET
<b>THEME: CROSS CUTTING</b>			
<p><b>Develop, deliver, and embed Climate and Nature Decision Wheel including training for staff</b> Implement in council project management process, decision reports including all infrastructure projects over £100,000 value.</p> <p><b>Purpose:</b> To ensure that staff use the decision wheel consistently to get the best outcomes for climate and nature from major council decisions. Put the processes in place for the decision wheel to be used for major council decisions.</p>	<p>Reducing emissions /Adaptation and Resilience/Nature Recovery</p>	<p>IMPLEMENT</p>	<p>£10k</p>

<p><b>Managing Council Assets (Year 4 phase)</b> Continue work on emissions reduction, adaptation and resilience, and nature recovery to inform decision making and management of council assets.</p> <p><b>Purpose:</b> To ensure that council assets are managed to optimise progress on the councils' targets and commitments in response to the Climate and Nature Emergency.</p>	<p>Reducing emissions /Adaptation and resilience/Nature Recovery</p>	<p>DEVELOP</p>	<p>£5k for nature-based assessment work</p>
<p><b>Procurement toolkits for specific departments</b> Scope 3 – Analyse scope 3 emissions in more depth use Spherics tool for analysing findings (Using direction of spend information). Set out in tendering requirements in toolkit format. Build on the work commenced in Year 3 in relation to the commissioning of Care Homes facilities, Home to School Transport and highways maintenance/repairs.</p> <p><b>Purpose:</b> To continue to increase the requirements to reduce emissions through our commissioning and procurement of services.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>DEVELOP</p>	<p>£10k from year 3 and officer resource</p>
<p><b>Friends of the Earth Climate Actions for Local Councils</b> Gap analysis and report to Climate and Nature Emergency Standing Group progress on 31 actions. <b>Purpose:</b> To ensure South Glos is maximising the opportunities open to councils to respond to the climate and nature emergency.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Communications and Stakeholder Engagement Strategy</b> Develop and deliver Year 4 climate and nature communications strategy and deliver events and training where capacity permits.</p> <p><b>Purpose:</b> To broaden engagement across the area in action on Climate and Nature to reduce emissions, prepare for the local impacts of a changing climate and protect and restore nature.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>Residual emissions plan</b></p>			<p>£1k</p>

<p>Attaching a carbon price to the residual emissions to keep a tracker. Area wide price per year.</p> <p><b>Purpose:</b> To establish the cost to offset residual carbon emissions in 2030.</p>	<p>Reducing emissions</p>	<p>PREPARE</p>	
<p><b>Rolling out the Big Switch – Communications Campaign</b> Build on the public communications work started in 2022 on website and events.</p> <p><b>Purpose:</b> To support residents to act on the climate and nature emergency by providing guidance on lifestyle actions for climate and nature.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>Partnership Working</b></p> <ul style="list-style-type: none"> <li>• Local Strategic Partnership Climate and Nature Sub-Group agree a suite of actions</li> <li>• Town and Parish Councils</li> <li>• Community and Voluntary Sector</li> <li>• SMES and major businesses</li> <li>• Regional partners – WECA, unitary authorities</li> </ul> <p><b>Purpose:</b> To increase area wide action for climate and nature and communicate that only area wide action will achieve the 2030 area wide carbon neutrality target.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Promote Local Climate and Nature Action Plan/Business toolkits.</b> Promote use of action plan toolkits by town and parish councils and business to increase local action.</p> <p><b>Purpose:</b> Maximise town and parish council and business engagement for climate and nature.</p>	<p>Emissions reductions/Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Strategy and Policy</b> Continue to comment on, input into and influence all Council strategies and plans in 2023/24 to implement Climate Emergency principles aligned within the Council Plan’s overarching priorities and commenting on regional strategies and plans.</p> <p><b>Purpose:</b> To ensure the common thread that relates to the declaration of a Climate and Nature Emergency runs through all strategies and plans.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>

<p><b>Skills and Jobs</b> Build on work with WECA and regional training partners to identify the wider skills and jobs that are needed to tackle the climate and nature emergency including next steps in the retrofit accelerator programme, innovate to renovate and skills for nature, tree officers, ecologists etc...</p> <p><b>Purpose:</b> To ensure the area has the skills and training available so that the workforce that can take up the jobs that are required to deliver on the Climate and Nature Emergency.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Carbon baseline data</b> We will continue to update our area wide carbon baseline data annually and initiate further research work as necessary to help inform our decision making and evaluation progress against the carbon neutral target.</p> <p><b>Purpose:</b> Further analysis required to inform Years 5-10 plan.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>Within officer resource</p>
<p><b>Apply to external funders to deliver Climate and Nature Projects</b> Funding will be required to scale up local delivery. Search for and apply to relevant funding for delivery of key aims.</p> <p><b>Purpose:</b> To access available funding to increase delivery of climate and nature emergency aims.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>DEVELOP</p>	<p>Within officer resource</p>
<p><b>Adopt new Environmental Policy</b> Consult on draft policy and take for a decision.</p> <p><b>Purpose:</b> To ensure the council's wider environmental policies are in keeping with highest environmental standards and co-ordinate with the Council's new Local Plan where appropriate and relevant.</p>	<p>Reducing emissions/Nature Recovery</p>	<p>DEVELOP</p>	<p>Within officer resource</p>
<p><b>Schools Carbon and Climate Workshops</b> Deliver workshops in schools that cover carbon emissions reduction and adaptation and resilience.</p> <p><b>Purpose:</b> To support schools in delivering relevant climate education.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£20k</p>

<p><b>Support action by the Avon Pension Fund</b></p> <p>South Gloucestershire council representative to continue to work with the Avon Pension Fund on maintaining the drive to ensure that investment decisions prioritise beneficial outcomes for climate and nature.</p> <p><b>Purpose:</b> To maximise the beneficial outcomes for climate and nature of the investment decisions made by the Avon Pension Fund.</p>	<p>Reducing emissions/Nature Recovery</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>Love your patch - Community Engagement Project</b></p> <p>Partnership project led by CVS South Gloucestershire and Southern Brooks Partnership 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>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>Year 4 Climate and Nature Emergency Training Implementation Plan</b></p> <p>Develop and deliver a Year 4 training implementation plan for staff, for partners, the community, and residents. Staff training will include new member induction and targeted sessions on specific areas of action for key staff.</p> <p><b>Purpose:</b> To embed action for climate and nature in all council staff and member roles, to build climate and nature action across the area through wider engagement.</p>	<p>Reducing emissions /Adaptation and Resilience/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>TBC</p>
<p><b>THEME: BUILDINGS AND THE BUILT ENVIRONMENT</b></p>			
<p><b>PLANNED ACTIONS (2023/24)</b></p>	<p><b>PURPOSE</b></p>	<p><b>PROJECT STAGE</b></p>	<p><b>INDICATIVE CLIMATE EMERGENCY BUDGET</b></p>
<p>Existing building retrofit</p>			

<p>Following the implementation of the works funded by the Public Sector Decarbonisation fund, continue to plan works for the remaining schools in preparation for further rounds of the decarbonisation fund.</p> <p><b>Purpose:</b> To prepare the Council’s school buildings for the decarbonisation of heat and energy in ordered to achieve net zero.</p>	<p>Reducing emissions</p>	<p>DEVELOP</p>	<p>Up to £420,000 (remaining year 4 Green Schools Budget)</p>
<p><b>Energy Efficiency Program Development - (Year 4 phase)</b></p> <p>Develop a delivery plan for council owned building decarbonisation, adaptation and resilience and maximising renewable energy installations. 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. 10% year on year reduction commitment. Include consideration of offset potential from renewables and land within our own estate.</p> <p><b>Purpose:</b> To ensure that council owned buildings are fit for the future and to enable the council to meet the target set for a 10% year on year reduction in direct carbon emissions and maximise renewable energy opportunities.</p>	<p>Reducing emissions</p>	<p>DEVELOP/ IMPLEMENT</p>	<p>Strategy within officer resource and BEIS funding</p>
<p><b>Local Plan Policy Framework Development</b></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 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>Working is ongoing and will be completed in 2023 to test 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. In testing options consideration will be given to how development delivered from brownfield and other land with existing urban areas, greenfield development close</p>	<p>Reducing emissions/Adaptation and resilience/Nature recovery</p>	<p>DEVELOP</p>	<p>Largely Within officer resource but costs likely to be incurred to update specialist advice prior to examination</p>

<p>to main urban locations, and growing rural villages contribute individually and cumulatively to eliminate carbon emissions and reducing pressure on nature. Locations and sites that perform well in this respect will be considered to go forward as choices available to the Council as part of achieving a final spatial strategy for where growth and development will take place over the next 20 years.</p> <p>This work will also be supported by a commitment to update planning policies that will help deliver the new spatial growth strategy. These will cover: energy, maximising outcomes for renewables, adaptation and resilience, protection and restoration of nature, GI and Strategic GI Corridors and Biodiversity Net Gain, to ensure that new development is consistent with the 2030 target.</p> <p>It will also be helpful to keep abreast of outcomes in other authorities' Local Plans going through Examination to make sure we are keeping up to date with best practice and changes to national policy.</p> <p><b>Purpose:</b> To ensure we maximise Climate and Nature Emergency outcomes of new local plan policies and to monitor progress in other local authorities to tailor our approach.</p>			
<p><b>Year 2 Step Up South Gloucestershire</b> Review year 1 and take decision to continue delivery in year 2. Householder Energy Advice, Advocacy, and home retrofit advice.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	Reducing emissions	IMPLEMENT	£55k (for year4)
<p><b>Innovate to renovate launch</b> Key retrofit market development initiative.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	Reducing emissions	IMPLEMENT	£15k (from year3)
<p><b>WECA retrofit accelerator able to pay market project</b></p>			



<p>Key regional retrofit market development initiative.</p> <p><b>Purpose:</b> Maximise support for domestic retrofit (most likely largest remaining contributor to area emissions). The domestic sector accounts for 1/3 area wide carbon emissions.</p>	Reducing emissions	IMPLEMENT	Within officer resource. WECA funded
<p><b>Community building retrofit</b></p> <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><b>Purpose:</b> Assist key community anchor institutions to advance their action on climate and nature</p>	Reducing emissions/Adaptation and Resilience	DEVELOP	TBC
<p><b>Mine water for heating and cooling decarbonisation</b></p> <p>Seek funding for a phase 2 study and identify suitable locations for exploratory work for heating and cooling sources.</p> <p><b>Purpose:</b> Plug gaps in national action on decarbonising heat.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	Up to £70k as match
<p><b>Progress Strategic Heat Network</b></p> <p>Advance conversations with Bristol City Leap Partners. Record anchor heating and cooling loads and demands.</p> <p><b>Purpose:</b> Plug gaps in action on decarbonising heat.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	£15K (existing consultants' costs)
<p><b>Solar Together Round 2 (or deeper retrofit)</b></p> <p>To explore and run another round of solar together or a deeper retrofit scheme.</p> <p><b>Purpose:</b> Plug gaps in action on decarbonising heat.</p>	Reducing emissions	IMPLEMENT	Within officer resource
<p><b>Schools trial of energy tracking software</b></p> <p>Seek schools willing to participate in a trial of energy tracking software and hardware and online energy tools.</p> <p><b>Purpose:</b> Support schools to reduce energy use, cost, and carbon emissions.</p>	Reducing emissions	IMPLEMENT	Grant funded
<p><b>New buildings (Schools) (Year 4 phase)</b></p>		IMPLEMENT	

<p>To progress the construction of Elm Park and Lyde Green Schools to accord with emerging Local Plan energy, carbon, and climate resilience policies.</p> <p><b>Purpose:</b> To ensure that new build projects do not add to the scale of the net zero challenge already present from existing buildings (subject to funding).</p>	<p>Reducing emissions</p>		<p>£1 Million from Green Schools CE budget</p>
<p><b>New buildings (Community)</b> To maximise energy efficiency standards in construction of council funded community buildings.</p> <p><b>Purpose:</b> To minimise energy demands, ensure net zero carbon is achieved, biodiversity is protected and enhanced, and all buildings are prepared for the local impacts of a changing climate.</p>	<p>Reducing emissions/Adaptation/ Nature Recovery</p>	<p>IMPLEMENT</p>	<p>£25K</p>
<p><b>Retrofit Demonstration (Social housing)</b> Building on Year 3, move into scheme design and delivery phase.</p> <p><b>Purpose:</b> To engage registered social landlords to retrofit social housing stock across the area.</p>	<p>Reducing emissions/Adaptation and resilience</p>	<p>IMPLEMENT</p>	<p>£120k</p>
<p><b>THEME: TRANSPORT PROJECTS (Infrastructure and Highways)</b></p>			
<p><b>PLANNED ACTIONS (2023/24)</b></p>	<p><b>PURPOSE</b></p>	<p><b>PROJECT STAGE</b></p>	<p><b>INDICATIVE CLIMATE EMERGENCY BUDGET</b></p>
<p><b>Deliver Suite of Active Travel Projects</b> Delivery range of Active Travel Package of Schemes to support, promote and increase active travel in businesses and communities across South Gloucestershire. The Package includes Modeshift Stars Accreditation Scheme for businesses, Active Travel Bursary for SMEs, and Emergency Bike Repair Toolkits. Modeshift Stars for schools work will continue.</p> <p><b>Purpose:</b> To deliver a range of active travel initiatives to support communities, businesses, commuters, and SMEs to increase take up of active travel.</p>	<p>Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£90K</p>

<p><b>Regional transport funding applications</b> Maximise opportunities from regional funding pots to support South Gloucestershire to decarbonise transport.</p> <p><b>Purpose:</b> Transport is the greatest source of carbon emissions in South Gloucestershire accessing funds is the route to maximising action on transport emissions.</p>	Reducing emissions	IMPLEMENT	Within officer resource
<p><b>Support community access to bikes and subsidised bike sale scheme</b></p> <p>This scheme will mirror the Wheels to Work Scheme that was previously run through Access West. The Scheme will provide 6 bike sales selling 60 discounted bikes plus locks and lights. The focus for this scheme will be those seeking employment, training, and skills.</p> <p>Bike Recycle Scheme: This Scheme will refurbish and distribute second-hand donated bikes to those in need in the community. To share learning from a successful community bike restoration scheme to other neighbourhoods in South Gloucestershire.</p> <p><b>Purpose:</b> To increase take up of active travel across South Gloucestershire.</p>	Reducing emissions	IMPLEMENT	TBC
<p><b>E Bike Scheme</b></p> <p>Following the successful e-bike scheme pilot delivered in 2022, this project will deliver a further e-bike Scheme for 6 months, providing 24 bikes to community groups. <b>Purpose:</b> To increase take up of active travel.</p>	Reducing emissions	IMPLEMENT	£75K
<p><b>Fifteen-minute neighbourhoods</b></p> <p>Commence the delivery of Liveable Neighbourhood Improvements in Yate and Thornbury on the 15-minute neighbourhood principle through community engagement and co design. To include retrofit of active travel measures such as bike storage etc...</p> <p><b>Purpose:</b> To ensure improved Active Travel connectivity in residential areas within a 15-minute of local services.</p>	Reducing emissions /Nature Recovery	IMPLEMENT	Not from Climate Emergency Budget
<p><b>Carbon Emissions Reduction</b></p>			Grant funded

<p>To continue to use the Highways Maintenance Carbon Emission impact study work to reduce emissions on the highways network through the procurement of goods and services and adjustments to ways of working.</p> <p><b>Purpose:</b> To continue to implement lower carbon techniques/approaches to highways maintenance and to implement offsetting requirements for carbon emissions.</p>	Reducing emissions	IMPLEMENT	
<p><b>Road Verge Management</b> Expand test areas to prove economic viability of changes to maintenance regimes and processes.</p> <p><b>Purpose:</b> To maximise the benefits to nature from our highways network.</p>	Adaptation and resilience/Nature Recovery	IMPLEMENT	Grant funded
<p><b>Electric Vehicle Car Clubs</b> Sign off legal agreement between council and the operators for the two EV car clubs planned in year at Filton Avenue, Filton and Broad Street, Staple Hill.</p> <p><b>Purpose:</b> To enable access to personal mobility without needing to own a vehicle to support carbon reductions from embodied energy while also giving equality of access.</p>	Reducing emissions	IMPLEMENT	£120K from year 3
<p><b>Electric Vehicle Infrastructure</b> Implement the EV charging schemes identified in year 2 process continues aiming to complete in year 4 as informed by EV strategy produced in Year 2.</p> <p><b>Purpose:</b> To encourage reductions in emissions and contribute to better air quality management.</p>	Reducing emissions	IMPLEMENT	Go Ultra Low and Climate Emergency Funded in years 2 & 3. Grant funded Year 4
<p><b>Council Fleet</b> Develop fleet strategy and further reductions in fleet emissions responding to the council's target to reduce direct emissions by 10% year on year.</p> <p><b>Purpose:</b> Council to show leadership in its own approach to fleet management.</p>	Reducing emissions	DEVELOP	TBC

<p><b>Area wide Air Quality Action Plan – Delivery phase</b> Support the delivery of the council’s air quality action plan as adopted. The Clean Air working group have finalised the Action plan and hope to have undertaken the public consultation by Jan 2023. Following the consultation and once we have Cabinet approval we can then move to implementation.</p> <p><b>Purpose:</b> To maximise co-benefits on air quality and climate for public health benefit.</p>	Reducing emissions/Adaptation and Resilience	IMPLEMENT	£28K (£14K rolled forward from year 3)
<p><b>Taxi and Licenced vehicles - carbon emissions reductions</b> Building on Year 3, in 2023/24 implement new policy staging towards lower emissions vehicles with consideration for the new Clean Air Zone in Bristol and access to cross border services.</p> <p><b>Purpose:</b> Taxis make up around 1% of vehicles in the area, they are critical to supporting the shift to low carbon travel options, they are a highly visible and licencing can be used to influence the types of vehicles in use.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Embed Staff Travel Plan</b> Ensure staff travel plan developed in Year 3 is implemented and becomes business as usual 23/24.</p> <p><b>Purpose:</b> To oversee the implementation of the staff travel plan.</p>	Reducing emissions	DEVELOP	Within officer resource (£15K in year 3)
<b>THEME: RENEWABLE ENERGY</b>			
<b>PLANNED ACTIONS (2023/24)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE CLIMATE EMERGENCY BUDGET</b>
<p><b>Work with WECA to advocate for improvements in grid capacity.</b> Work with WECA 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.</p> <p><b>Purpose:</b> To coordinate regional efforts to increase renewables in the West of England region.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	Within officer resource

<p><b>Aggregate generation from dispersed renewables – energy market issue.</b> Sort out a mechanism for the council to aggregate generation from dispersed renewables.</p> <p><b>Purpose:</b> To maximise energy supply from locally generated resources at the lowest cost.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Explore innovative approaches to managing energy demand, retail of energy and supply</b> Explore the aggregation of dispersed energy potential through sleeved power purchase agreements.</p> <p><b>Purpose:</b> To maximise energy supply from locally generated resources at the lowest cost.</p>	Reducing emissions/Adaptation and resilience	IMPLEMENT	Within officer resource and potential BEIS funding
<p><b>Community Renewable Energy Trial</b> Following public consultation on phase 1 proposals move to phase 2 feasibility study.</p> <p><b>Purpose:</b> To support a replicable low carbon heating/energy trial in a local community.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	Within officer resource and potential BEIS funding
<p><b>Community Renewables development</b> Work with community energy groups that come forward to identify and safeguard sites for solar PV and wind and explore opportunities to set up Power Purchase Agreements to enable them to secure finance.</p> <p><b>Purpose:</b> To enable increases in renewable energy provision.</p>	Reducing emissions	IMPLEMENT	Within officer resource and potential BEIS funding
<p><b>Solar on SGC buildings</b> To install solar on council owned buildings.</p> <p><b>Purpose:</b> To increase renewable energy provision, encourage others to do so with their own land and to support innovation in delivery.</p>	Reducing emissions	DEVELOP	£400k in year 3 budget, further business case to come forward in year 4
<p><b>Oversee the installation of Solar PV at the WAVE</b> To oversee the installation and commissioning of the solar system 'The WAVE' to bring forward proposals for the installation of a Solar PV and battery storage solution with EV charge points for customers.</p>	Reducing emissions	DEVELOP	Within officer resource

<p><b>Purpose:</b> To increase the amount of renewable generation in south Gloucestershire, to support low carbon tourism and reduce business risk from fluctuating energy prices.</p>			
<b>THEME: GREEN INFRASTRUCTURE AND NATURE RECOVERY</b>			
<p><b>PLANNED ACTIONS (2023/24)</b></p>	<p><b>PURPOSE</b></p>	<p><b>PROJECT STAGE</b></p>	<p><b>INDICATIVE CLIMATE EMERGENCY BUDGET</b></p>
<p><b>GI and Nature Recovery Action Plan</b> Continue implementation of the 77 projects in the adopted GI and Nature Recovery Action Plan 2021 programme as <b>detailed in Appendix 5</b> including for 2023/24 to:</p> <ul style="list-style-type: none"> <li>• Continue delivery of our strategic GI programmes including Frome Reconnected and Common Connections.</li> <li>• Continue implementation of externally funded Green Infrastructure and Nature Recovery projects including the Frome Valley River Reserve and Hedgerow Heroes project.</li> <li>• Seek funding to develop strategic GI concept stage projects including String of Pearls.</li> <li>• Following the 2022 public consultation, finalise and adopt the Biodiversity and Planning SPD.</li> <li>• Apply the councils strategic GI corridors work, and adopted SPDs to include GI, Nature. Recovery and Climate Change considerations in the South Gloucestershire Local Plan</li> <li>• Complete and submit the Kingswood Park restoration bid to the National Lottery Heritage Fund.</li> <li>• Update the councils' green spaces webpages.</li> <li>• An officer working group to prepare a programme for management of hedgerows the council is responsible for.</li> <li>• Prepare a Grazing Policy for council owned land.</li> <li>• Continue to support the regional Healthier with Nature green social prescribing project.</li> <li>• Continue to support volunteering and friends' groups including to launch a Friends of the Upper Frome group.</li> </ul>	<p>Nature Recovery/Adaptation and resilience/ Reducing emissions</p>	<p>IMPLEMENT</p>	<p>£250,000</p>

<p><b>Purpose:</b> To optimise the multiple benefits of high quality green and blue infrastructure to deliver the objectives of local and regional GI, Climate and Nature Emergency strategic plans and priorities as set out in the councils GI Strategy and GI and Nature Recovery Action Plan 2021.</p> <p><b>A selection key GI and Nature Recovery Action Plan projects for 2023/24 are detailed below:</b></p>			
<p><b>Year 4 Monitoring of Nature Recovery SMART Targets</b> Monitor and report on progress on Nature Recovery SMART targets set in Year 3.</p> <p><b>Purpose:</b> To monitor and track progress to achieve Nature Recovery SMART Targets.</p>	Nature Recovery	IMPLEMENT	Within officer resource
<p><b>Wild Belt Small Sites Aggregation Project</b> Deliver externally funded project funded by the Environment Agency.</p> <p><b>Purpose:</b> To develop processes for applying environmental investment metric for small sites including Biodiversity Net Gain, Nutrient Credits and Carbon and to define a new 'Wild Belt' locally held designation for applicable sites in South Gloucestershire.</p>	Nature Recovery/ Adaptation and resilience	IMPLEMENT	100k already awarded from the Environment Agency
<p><b>Avon Catchment Market</b> Put forward a council owned site for natural environment investment through the Avon Catchment Market.</p> <p><b>Purpose:</b> Work with partners to test and develop innovation in securing funding for the natural environment aligned with anticipated new statutory requirements following the Environment Act 2021.</p>	Nature recovery/ Adaptation and resilience	IMPLEMENT	Covered by grant to the Avon Wildlife Trust
<p><b>Planting sufficient trees to double tree canopy cover</b> Continue to seek funding and deliver externally funded projects for tree planting and establishment. Including from corporate sponsors as part of their involvement in SGC community planting events.</p> <p><b>Purpose:</b> To progress work on the council's commitment to double tree canopy cover.</p>	Nature recovery/ Adaptation and resilience	IMPLEMENT	Green Recovery fund £1.1 Million
<p><b>Region mapping of risks to the transport network</b></p>			TBC



<p>Regional mapping project investigating flooding/heat risks to regional transport infrastructure and the potential for applying nature-based solutions to optimise adaption and resilience to the changing climate working in conjunction with local landowners.</p> <p><b>Purpose:</b> To increase local flooding and extreme heat resilience to the changing climate across the region.</p>	<p>Nature Recovery/Adaptation and resilience/ Reducing emissions</p>	<p>DEVELOP</p>	
<p><b>Preparing for mandatory Biodiversity Net Gain (BNG) to be achieved from November 2023</b> Under the Environment Act, all planning applications granted, with a few exemptions will have to deliver 10% biodiversity net gain. This will be mandatory from November 2023 and will be measured using the Department for Environment, Farming and Rural Affairs Biodiversity Metric with habitats created needing to be secured and monitored for at least 30 years. Through preparing the Biodiversity and Planning Supplementary Planning Document which is due to be published in February 2023 we are putting in place the statutory practices and procedures that will ensure we are ready to secure 10% BNG from November 2023. 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. <b>Purpose:</b> To prepare for delivery of Biodiversity Net Gain.</p>	<p>Reducing emissions/Adaptation and resilience/Nature recovery</p>	<p>DEVELOP</p>	<p>TBC</p>
<p><b>Connecting our nature recovery network</b> Tackling Nature Recovery Network gaps and transport severance. Following survey work in year 3 to deliver nature improvement works to key 'gap' sites in the Nature Recovery Network and progress the transport severance Wild Ways project through research and trial sites.</p> <p><b>Purpose:</b> To deliver progress on the Nature Recovery SMART target to reduce the number of gaps in the Nature Recovery Network.</p>	<p>Nature recovery/Adaptation and resilience</p>	<p>IMPLEMENT</p>	<p>£55,000</p>
<p><b>Biodiversity retrofit of Public Open Spaces</b> Deliver improvements in council owned public open spaces which achieve benefits for nature recovery, health and wellbeing, and climate change adaptation and resilience.</p>	<p>Nature recovery/Adaptation and resilience</p>	<p>IMPLEMENT</p>	<p>£45,000</p>

<p><b>Purpose:</b> Contribute to the Nature Recovery SMART target to increase the amount of land managed positively for nature.</p>			
<p><b>Community training programme</b> Deliver training for community groups and volunteers to support maintenance of local nature sites including formal parks and Local Nature Reserves.</p> <p><b>Purpose:</b> Contribute to GI and Nature Recovery Action Plan action (E4) Invest in training and green skills and (T3) support for community groups.</p>	Nature recovery/Adaptation and resilience/ Reducing emissions		£5,000
<p><b>Jubilee Park – orchard, meadow, and hedgerow creation</b> Create 1 hectare species rich meadow, 1 hectare orchard, 40m new native hedgerow plus seating and interpretation in a new park to promote nature recovery and biodiversity alongside amenity benefits for local people.</p> <p><b>Purpose:</b> Deliver access to high quality nature rich green space for residents and contribute to SMART targets to increase the area of land managed positively for nature and double tree canopy cover.</p>	Nature recovery/Adaptation and resilience	IMPLEMENT	£55,000
<p><b>Ponds restoration programme</b> Works to restore Warmley Forest Park and Felicity Park ponds.</p> <p><b>Purpose:</b> Progress implementation of the pond's restoration programme of the GI and Nature Recovery Action Plan action (W5) Restore our ponds.</p>	Nature Recovery/Adaptation and Resilience	IMPLEMENT	£60,000
<b>THEME: ADAPTATION AND RESILLIENCE</b>			
<b>PLANNED ACTIONS (2023/24)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE CLIMATE EMERGENCY BUDGET</b>
<p><b>Delivering prevention measures – health and climate</b> Deliver actions on climate and health developed by the Health Protection Operations Sub-Group.</p> <p><b>Purpose:</b> To put in place initial measures that reduce burdens on health and emergency services and that prevent some of the health impacts from the local impacts of a changing climate.</p>	Adaptation and resilience/Nature	IMPLEMENT	TBC

<p><b>Understanding inequalities in line with Council Plan</b> Use the Year 3 mapping data to inform adaptation and resilience actions that reduce inequalities.</p> <p><b>Purpose:</b> To ensure that equalities issues are taken fully into action in our action plans.</p>	Reducing emissions /Adaptation/Nature	DEVELOP	Within officer resource
<p><b>Flooding reduction</b> Frome Catchment Innovation Programme (rebranded Resilient Frome): Target areas are identified high up on the main river/headwaters, Laddon and Bradley Brook areas. Opportunities around Environmental Land Management Schemes (ELMS) and how we can work with and support the agricultural community.</p> <p><b>Purpose:</b> Restoration of river flow, to reduce localised flooding and improve nature.</p>	Adaptation and resilience	IMPLEMENT	Within grant funded project and CE match
<p><b>Risk Management</b> Yearly update of the corporate risk-register to reflect risks from the local impacts of a changing climate.</p> <p><b>Purpose:</b> To mitigate risk of the negative consequences of a changing climate.</p>	Adaptation and resilience	IMPLEMENT	Within officer resource
<p><b>Risk Management</b> Develop service risk registers.</p> <p><b>Purpose:</b> To support individual services to foresee risks and take action to reduce the local impacts of a changing climate on the delivery of local services.</p>	Adaptation and resilience	IMPLEMENT	Within officer resource
<p><b>Adaptation and Resilience Surveys for SMEs</b> Work with WECA to develop new offer adaptation survey for SMES and business</p> <p><b>Purpose:</b> To prepare local business for the impacts of a changing climate on infrastructure, supply chains and staff.</p>	Reducing emissions/Adaptation and resilience	DEVELOP	TBC

<p><b>Adaptation and resilience communication</b> - We will use our Year 4 communications channels to help our partners, residents, and businesses to adapt and prepare for the local impacts of climate change.</p> <p><b>Purpose:</b> To communicate local impacts and steps that can be taken to prepare homes, business and protect health.</p>	Adaptation	IMPLEMENT	Within officer resource
<p><b>Care Homes Research</b> – Continue project looking to active monitoring of air quality, temperature, moisture, and humidity through the Umbrella network.</p> <p><b>Purpose:</b> To improve resilience of care homes and other health care facilities to a changing climate.</p>	Adaptation	DEVELOP	£150 k
<b>THEME: RESOURCES AND WASTE</b>			
<b>PLANNED ACTIONS (2023/24)</b>	<b>PURPOSE</b>	<b>PROJECT STAGE</b>	<b>INDICATIVE CLIMATE EMERGENCY BUDGET</b>
<p><b>Waste partnership development</b> Re-initiate the regional waste partnership.</p> <p><b>Purpose:</b> To continue regional efforts to reduce emissions from waste and to maximise use of resources locally.</p>	Reducing emissions	DEVELOP	Within officer resource
<p><b>Resources and Waste</b> – Continue to roll out implementation of the Resources and Waste strategy 2020 and beyond in particular the delivery of the infrastructure projects and food waste reduction and recycling programme. Also integrate stronger climate Emergency considerations as part of the thinking around future options as the PFI for the waste services moves towards its end.</p> <p><b>Purpose:</b> To reduce carbon emissions from waste and transportation of waste and maximise use of resources locally.</p>	Reducing emissions	IMPLEMENT	Currently within officer resource

