

Appendix 4:

Climate Emergency Action Plan – Year 2 (2021)

These are additional actions funded through the Climate Emergency budget for Year 2 but it is not a comprehensive list of all the work being done by the council on Climate Emergency.

This work is to identify new projects that scale up and expand work on Climate Emergency.

- Projects in the white boxes are new projects
- Projects in the blue boxes are the Year 2 phase of a project started in the year 1 action plan

This is 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.

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

Climate Emergency Theme: Cross Cutting

PLANNED ACTIONS (2021/22)	PROJECT STAGE
LEAD – in our own operations	
Decision making - Build Climate Emergency aims (emissions reduction, nature recovery and local adaptation and resilience) into decision making process for projects on Covid response and across all areas of Council work and influence. Purpose: This integrated work on reducing health inequalities, transport, economy and place shaping has significant potential to deliver Climate Emergency aims.	DEVELOP
Funding opportunities - Carry out assessment of funding opportunities with partners and submit bids for external funding to support the delivery of the Climate Emergency action plan (emissions reduction, nature recovery and local adaptation and resilience). Purpose: To increase funding to deliver climate emergency aims.	DEVELOP

<p>Carbon assessment tools - Work with WECA to deliver and apply carbon assessment tools to be used to guide WECA investment decision making and the regional spatial development strategy, the renewable energy resource assessment (RERAS), the new local plan/plan consultations and supplementary planning documents.</p> <p>Purpose: This will deliver wider regional emissions reductions.</p>	IMPLEMENT
<p>Business engagement - Work with specific businesses and sectors of the South Gloucestershire economy to reduce emissions, adapt to the local impacts of climate change, build resilience and increase nature recovery.</p> <p>Purpose: To reduce emissions, build local resilience and increase nature recovery.</p>	IMPLEMENT
<p>Understanding inequalities - To engage researchers carry out an analysis of local climate and nature loss <i>related</i> equalities issues and put in place plans to mitigate the impacts of the action plans.</p> <p>Purpose: To ensure that equalities issues are taken fully into action in our action plans.</p>	DEVELOP
<p>Partnership working - Local Strategic Partnership – building on Year 1 and recognising the reach of its membership, will work on joint area wide campaigns to bring about reductions in emissions, increases in the local climate change preparedness and increase nature recovery.</p> <p>Purpose: key area emitters and influencers act together to increase area wide visibility and action on climate emergency.</p>	IMPLEMENT
<p>Strategy and Policy - Continue to influence all council strategies and plans to implement Climate Emergency principles aligned with the Council Plan’s overarching priorities.</p> <p>Purpose: To ensure that all future plans are embedded with the aims of the Climate Emergency declaration.</p>	IMPLEMENT
<p>Communication and Stakeholder Engagement - We will develop a Year 2 communications and stakeholder engagement programme to both inform, share knowledge and facilitate behaviour change in all sectors.</p> <p>Purpose: Area wide engagement and action on Climate Emergency and nature recovery</p>	IMPLEMENT
<p>ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions</p>	
<p>Emissions reduction - To engage in further work to reduce Scope 3 emissions that the council has influence over working with local government carbon accounting team.</p> <p>Purpose: To continue to increase the requirements to reduce emissions through our procurement services.</p>	PREPARE
<p>Environmental Policy - To update Council’s wider Environmental Policy.</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>	DEVELOP
<p>Avon Pension Fund - Support the Avon Pension Fund to focus investment on supporting the green economy and make decisions that align with Climate Emergency aims.</p> <p>Purpose: To increase investment which further the Climate Emergency agenda.</p>	PREPARE
<p>Carbon baseline data -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>Purpose: Further analysis required to inform Years 2-10 plan.</p>	DEVELOP
<p>Climate Emergency Training - We will continue to deliver staff and members with climate change and carbon emissions, adaptation and resilience and nature and ecology training that improves carbon literacy and integrate these principles into staff and member induction and handbook.</p> <p>Purpose: To upskill staff and members in climate emergency principles and aims.</p>	IMPLEMENT

<p>Funding - Launch Green South Gloucestershire Fund – carbon offsetting and investment in nature. Purpose: To provide longer term funding for Climate Emergency project delivery.</p>	IMPLEMENT
<p>INSPIRE – business and residents to take climate action themselves</p>	
<p>Skills and Jobs - We will work with WECA to support green recovery skills training and job creation. Purpose: To ensure the area has the skills and training available so that the workforce that can take up the jobs that will be created due to the Climate Emergency and to deliver nature’s recovery.</p>	IMPLEMENT
<p>Climate Emergency Training - We will deliver/facilitate the delivery of climate change and carbon emissions, adaptation and resilience and nature and ecology training to organisations, residents and businesses. Purpose: To engage with residents on an area wide basis with complimentary messaging to influence behaviour change.</p>	IMPLEMENT
<p>Awareness Raising -We will deliver an area wide South Gloucestershire Climate Emergency Conference in the Year of COP26 (virtual) Purpose: To provide an opportunity for residents, businesses and organisations to discuss and scale up actions on this agenda</p>	IMPLEMENT
<p>Communications - We propose to continue to use the South Glos News publication or local equivalents, website and social media to support the Climate Emergency response. Purpose: To engage with residents on an area wide basis to share knowledge and inspire behaviour change.</p>	IMPLEMENT

Climate Emergency Theme: Buildings/Built Development

PLANNED ACTIONS (2020/21)	PROJECT STAGE
<p>LEAD – in our own operations</p>	
<p>Energy Efficiency Program Development - Develop asset management plans for council owned schools to ensure a decarbonisation, adaptation and resilience plan is in place. Purpose: To ensure that schools repairs programmes are not simply reactive and that a long term low carbon and nature recovery plan is in place.</p>	DEVELOP
<p>Planning -Ensure new local plan policies relate to Climate Emergency, nature recovery and biodiversity aims in response to the public consultation and new evidence emerging. This will include revised evidence for a Net Zero Carbon Policy for New Development, includes renewable energy resource assessment. Purpose: To ensure we maximise Climate Emergency outcomes of new local plan policies.</p>	IMPLEMENT
<p>Existing building retrofit - Retrofit council owned buildings which account for two thirds of the council’s total carbon emissions. Based on the outcomes of the Year 1 analysis work. Out of the 117 schools the council runs there is an existing programme of work which includes LED and energy efficiency works. Year 2 devise and implement expanded retrofit and renewables programme on council owned buildings and embed action for decarbonisation, climate change adaptation and nature recovery in our property asset management plan. Purpose: To scope and implement carbon emissions reductions. Start retrofit delivery following the in-depth council building stock retrofit analysis and SCOLAS study (1970 school buildings) and solar PV programme.</p>	IMPLEMENT

<p>Purpose: To implement energy efficiency and renewable energy and nature recovery projects, cost and feasibility that can be implemented on the council building stock.</p>	
<p>New buildings - Continue to make high energy efficiency standards, such as PassivHaus, in all new council developed schools and where the council has an interest.</p> <p>Purpose: To upgrade the energy efficiency of projects that are already underway and make this business as usual.</p>	IMPLEMENT
<p>New buildings -Continue to implement SGC led development (e.g. schools, community centres & housing) applying net zero carbon emissions, the principles of biodiversity net gain and to include local adaptive features to support the recovery of nature.</p> <p>Purpose: To ensure carbon emissions are minimised, biodiversity is protected and enhanced and all buildings and grounds are prepared for the local impacts of a changing climate.</p>	IMPLEMENT
<p>Heat Networks - Work with YTL development company to develop an Energy Strategy which capitalises on opportunities presented by the Brabazon Arena (at the former Filton Airfield) and partners at Bristol City Council to bring forward the potential strategic heat network.</p> <p>Purpose: To further the potential for a strategic heat network on this key development site.</p>	DEVELOP
<p>ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions</p>	
<p>Low Carbon Heating - Support a community with a low carbon heating/energy systems trial - including maximising take up of government grants, supporting the heating industry to respond and residents to confidently switch to low carbon heating.</p> <p>Purpose: To support a replicable low carbon heating trial.</p>	IMPLEMENT
<p>Energy and Renewables Advice - Continue to support additional energy advice to residents and businesses to access government grants and national schemes.</p> <p>Purpose: To continue to support residents to retrofit their homes with energy efficiency measures by leveraging in government grants.</p>	IMPLEMENT
<p>INSPIRE – business and residents to take climate action themselves</p>	
<p>Training - Local Food, Energy, Biodiversity and Adaptation showcase hub - exemplar hub at Grimsbury Farm for training, education and to showcase climate and ecological adaptation and resilience measures plus renewable energy, local food and nature recovery.</p> <p>Purpose: To increase local knowledge and local action on the Climate Emergency by the wider community.</p>	DEVELOP
<p>Retrofit Demonstration (private sector) - To continue to develop retrofit demonstration homes across the area to promote retrofitting measures, this could include wildlife friendly gardening and ‘green open doors’ events.</p> <p>Purpose: To give residents the opportunity to see real houses that have been retrofitted and to speak to residents who have had work carried out to give them confidence to carry out retrofit works.</p>	IMPLEMENT
<p>Retrofit Demonstration (social housing) - Building on Year 1 continue next phase of development of deep retrofit demonstrator home for social rented sector/partnership with social rented sector maximising opportunities from recently announced government support.</p> <p>Purpose: To engage registered social landlords to retrofit social housing stock across the area.</p>	DEVELOP

Climate Emergency Theme: Transport (& Infrastructure / Highways)

PLANNED ACTIONS (2020/21)	PROJECT STAGE
LEAD – in our own operations	
<p>Council Fleet - Continue to decarbonise the Council’s own fleet – implement the recommendations of the Energy Savings Trust report on council fleet: Including staff commuter mileage, incentivising switch to electric vehicles, fuel use etc...</p> <p>Purpose: Council to show leadership in its own approach to fleet management.</p>	IMPLEMENT
<p>Staff Travel - Develop and implement a staff travel plan for the council.</p> <p>Purpose: To devise a staff travel plan that responds to the changes increases in home working.</p>	DEVELOP
<p>Schools Travel - To seek funding to increase the delivery of Modestar shift programme to more schools.</p> <p>Purpose: To replicate success of Barley Close Primary School increasing low carbon travel to school.</p>	DEVELOP / IMPLEMENT
<p>Electric vehicle infrastructure - To use Year 1 area wide electric vehicle study recommendations develop 2 new electric vehicle strategies one for highways authority and one for the planning authority.</p> <p>Purpose: To fill gaps in South Gloucestershire wide provision of EV infrastructure.</p>	DEVELOP
<p>Road Verge Management - To continue to deliver the Verge Management Strategy. To continue to implement verge management that supports nature recovery.</p> <p>Purpose: To maximise the benefits to nature from our highways network.</p>	IMPLEMENT
<p>Carbon Emissions Reduction - To use the Year 1 Highways Maintenance Carbon Emission impact assessment carbon emissions of highway maintenance practices to reduce emissions on the highways network.</p> <p>Purpose: To start implementing lower carbon techniques/approaches to highways maintenance and to implement offsetting requirements for carbon emissions.</p>	IMPLEMENT
ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions	
<p>Fifteen minute neighbourhoods – Plotting out essential destinations within 15 minutes of South Gloucestershire settlements.</p> <p>Purpose: To ensure essential resources are within a 15 minute low carbon destination of each settlement.</p>	IMPLEMENT
<p>Low Carbon Travel Options at key leisure destinations – To support key destinations to put in place low carbon travel options.</p> <p>Purpose: To support key destinations.</p>	DEVELOP
<p>Review and replace/renew Active Travel route bridleways & restricted byways signage with updated pictorial multiuser signage – in order to encourage modal shift use clear multiuse signage to replace and renew older signage to indicate the multiuse properties on the PROW network</p>	IMPLEMENT

(the original bridleway signage merely stated 'Public bridleway' & carried a horse and rider image– the 1968 Countryside Act permitted cyclists to use bridleways so the updated signage should carry pictorial images to confirm this). Purpose: To support the promotion of the use of the PROW network multi-user and forms part of the sustainable travel network.	
Improve Active Travel route – improve the drainage and surface of the bridleway from Duckhole to Hill Road, Oldbury on Severn OOS30 Purpose: To increase the use of the active travel route.	IMPLEMENT
Improve pedestrian link from East of Harry Stoke to Hambrook - Seek match funding from developer contributions to carry out revetment works to river bank for important pedestrian link which connects the East of Harry Stoke development to the Metrobus stops at Hambrook. Purpose: To increase safety and use of pedestrian link, and increase use of Metrobus.	IMPLEMENT
Carbon Emissions Reductions - Consult with taxis licence holders over lower emissions vehicles transition plan and support the development of an amended taxi licencing policy. 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 the types of vehicle in use.	IMPLEMENT
INSPIRE – business and residents to take climate action themselves	
Electric Vehicle Infrastructure - Develop EV charging infrastructure options in Air Quality Management Areas. Purpose: To encourage reductions in emissions and contribute to better air quality management in the Staple Hill and Kingswood – Warmley AQMAs.	DEVELOP
Communications - Low Carbon Travel Behaviour - Use local research findings on travel behaviour (ClairCity) to inform communications strategy on active travel. Purpose: To increase the effectiveness of travel behaviour advice.	IMPLEMENT

Climate Emergency Theme: Renewable Energy

PLANNED ACTIONS (2020/21)	PROJECT STAGE
LEAD – in our own operations	
Project development - To develop a council-led renewable energy projects following the research carried out in Year 1 (South West Energy Hub report). Purpose: To increase renewable energy provision and encourage others to do so with their own land.	IMPLEMENT
Planning - To use the findings of the renewable energy resource assessment study (RERAS study due March 2021) to support policies in the new local plan and develop a renewable energy action plan for the area. Purpose: To increase renewable energy generation in South Gloucestershire.	DEVELOP
ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions	

<p>Project development - To support the South Gloucestershire area wide community renewables initiative being developed by the wider community.</p> <p>Purpose: To empower the community to increase renewable energy generation for the benefit of the community.</p>	DEVELOP
<p>Project development - To continue to work with community energy groups 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>Purpose: To enable increases in renewable energy provision.</p>	IMPLEMENT

Climate Emergency Theme: Green Infrastructure and Nature Recovery

PLANNED ACTIONS (2020/21)	PROJECT STAGE
LEAD – in our own operations	
<p>Tree nursery - Create a council owned tree nursery and/or a growing contract with suppliers. Include local provenance of seed stock, and also, seed stock of tree species resistant to current known diseases e.g. Ash Dieback, Sudden Oak Death etc....</p> <p>Purpose: To support the achievement of the tree planting target.</p>	DEVELOP/IMPLEMENT
<p>Nature in decision making - Hold a seminar for South Glos staff to embed nature considerations in all decision making and implementation of new UK Environment Bill requirements and recommendations.</p> <p>Purpose: To train staff to embed nature within service delivery.</p>	IMPLEMENT
<p>Connecting our Nature Recovery Network - Take the next steps to building a South Gloucestershire Nature Recovery Network – Examining gaps, feasibility around landownership – including the role of verges and hedgerows across the highways network.</p> <p>Purpose: To piece together a network of sites for nature recovery.</p>	DEVELOP
<p>Nature Recovery targets - Translate West of England Green Infrastructure and Nature Recovery targets into South Gloucestershire specific targets then align project delivery with delivering these targets – providing the sufficiently robust evidence base to incorporate these targets into the council’s new Local Plan and which can successfully undergo scrutiny through examination in public process. Targets need to vary across the district to respond to both its varying landscape character/associated type of vegetation cover, and also, the aims of the nature recovery network.</p> <p>Purpose: To ensure the council has robust green infrastructure targets that are given statutory weight through the council’s Local Plan.</p>	DEVELOP
<p>River Frome fish pass - To support work to create a fish pass at Nibley on the river Frome.</p> <p>Purpose: To restore the free movement of fish on the river Frome.</p>	IMPLEMENT
<p>Swift tower – install 1 pilot tower and associated feeding habitat at a council owned site.</p>	DEVELOP

Purpose – swifts have seen a 96% decline in the West of England in recent years. Swift towers provide effective nesting sites which are proven to help restore populations. Strong potential for commercial sponsorship of further swift towers in South Gloucestershire.	
Bat hibernacula – install bat roost hibernacula and associated measures at Warmley Grotto. Purpose – to provide key habitat for vulnerable lesser and greater horseshoe bat populations.	DEVELOP
Kingswood Park Tree restoration – engage aeration specialist incorporating biochar Estimated cost £12k. New tree planting estimated cost £8k Purpose – protecting old established park trees is essential and we need to act fast. <u>We also need to start planting</u> new trees to ensure a healthy tree stock in the future.	IMPLEMENT
Year 2 - TREE PLANTING Programme to plant trees across South Gloucestershire by 2030 to double tree canopy cover Create capacity and capability to plant trees by 2030 to double tree cover (plus replacement planting due to Ash dieback losses) in South Gloucestershire through a programme of tree planting on council and third party land that respects the varying needs of the landscape. Programme of tree planting on council land and highway verges. Co-ordination of tree planting projects, offset/mitigation/sponsorship planting and hedgerow restoration. First projects to be used for case studies and showcase work to engage potential tree planting with investors leveraging future income. Purpose: To progress work towards planting trees by 2030 to double tree canopy cover and ensure there is the right planting in the right place with appropriate after care, aligned with our nature recovery network priorities.	IMPLEMENT
ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions	
Commons restoration pilot project- A project to trial nature recovery on Westerleigh Common - Council owned, semi-natural site, this would be a unique initiative. Purpose: To re-wild a semi natural site.	DEVELOP
Access Audits for public open spaces – to underpin external funding bids for access improvements. Purpose: to widen, increase and improve access to public open spaces to reduce inequalities and support local recreation as part of low carbon and healthier lifestyles.	DEVELOP
Pond work – improvement works to 1 key pond for year 2. Purposes – ponds and wetlands provide vital habitat for wildlife, natural drainage, carbon sequestration and amenity.	DEVELOP
Planning - Undertake a pilot area project to refine the level of green infrastructure corridor information represented on the Core Strategy Policy CS2 Diagram and to showcase how future landowners/partners can deliver the green infrastructure objectives. Purpose: To have spatially defined data that enables green infrastructure corridors to be identified on the Ordinance Survey based Local Plan Policies Map which can be used for establishing and maintaining ecologically healthy green infrastructure corridors.	DEVELOP
Planning - Adopt by April 2021 NEW SUPPLEMENTARY PLANNING DOCUMENTS SPD covering Sustainable Urban Drainage Systems, Trees on Development Sites; Green Infrastructure; Following public consultation being undertaken 2nd October to 4th January 2021. Purpose: To provide additional explanation and description to support the council’s adopted planning policies which support the Council’s commitment to recognising the multi-functional aspects of green infrastructure.	IMPLEMENT
Biodiversity net gain – Continue to keep under review progression of Environment Bill and opportunity to publish Biodiversity Net Gain SPD. Alongside this prepare internal technical guidance to test and develop methodology ahead of statutory requirements. Purpose: To ensure council is prepared for and ready to introduce BNG into planning application determination and project work delivery.	DEVELOP

<p>Continue to deliver GREEN INFRASTRUCTURE MAPPING AND NATURAL CAPITAL ASSESSMENT OF SGC GI ASSETS Natural capital value assessment of all council owned and managed Green Infrastructure Assets to inform decision making and future asset management. Enable natural capital valuation by identifying and mapping key current ecosystem services and new opportunities including: contribution to carbon sequestration, sustainable drainage, cooling, shading, drought resilience, air quality, community, health and well-being. Purpose: Natural Capital Assessment - to assess financial contribution and fully capture replacement costs for any losses. Mapping to protect, and enhance existing resource.</p>	<p>IMPLEMENT WECA are progressing this work across WoE</p>
<p>Continue to HABITAT SURVEYS FOR KEY SITES Current data is 30 years old. We propose phase 1 habitat surveys for key sites in scope along our nature recovery network/GI corridors and designated sites, including resurveying Sites of Nature Conservation Interest, to inform and underpin:</p> <ul style="list-style-type: none"> • Calculation of natural capital value of assets to inform decision making. • Work to improve and increase our Nature Recovery Network – bigger, better, more and joined habitat • Application of Biodiversity Net Gain. <p>Purpose: We cannot protect and enhance our existing priority sites and nature recovery network without up to date information.</p>	<p>IMPLEMENT WECA undertaking phase 1 habitat survey mapping 20/21</p>
<p>Continue to develop and adopt the South Gloucestershire GREEN INFRASTRUCTURE STRATEGY & ACTION PLAN We will continue to develop and adopt the South Gloucestershire Green Infrastructure Strategy and Action Plan, to optimise GI and green space asset management for climate change, nature recovery, health and community adaptation and resilience. Purpose: Start delivering plans to deliver improvements in green infrastructure, to deliver nature recovery, increase biodiversity and tackle Climate Emergency goals.</p>	<p>DEVELOP/IMPLEMENT</p>
<p>INSPIRE – business and residents to take climate action themselves</p>	
<p>Tiny Forest pilot - Create a Tiny Forest in South Gloucestershire - Dense forest, carbon sequestration, education Purpose: Provide replicable scheme that is not land intensive and educationally inspiring.</p>	<p>DEVELOP</p>
<p>Wildflower seeds - To run a wildflower seed collection and distribution event. Purpose: A practical public engagement event.</p>	<p>IMPLEMENT</p>
<p>Resources and training for volunteers survey equipment and training for volunteers to build up conservation, survey work and nature recovery - Purpose: To increase ecology skills in the local area, to support intensive mapping and survey work. Resource and empower our friends groups and volunteers with the equipment and skills to monitor and gather the data we need about nature to underpin our work.</p>	<p>IMPLEMENT</p>
<p>Natural solutions showcase – as part of the development of a Council ‘Green Fund’ to purchase land (or use existing council asset) for sequestration, renewable energy and biodiversity. Purpose: To demonstrate integrated climate emergency co-benefits.</p>	<p>DEVELOP</p>
<p>Orchards - restoration and improvement to support biodiversity, local food growing, reduce inequalities, skills and heritage. Purpose: To increase the local food supply, skills and training in orchard management.</p>	<p>IMPLEMENT</p>
<p>Promotion of NATURE RECOVERY AND HABITAT EXAMPLAR BEST PRACTICE SHOWCASES ON OPEN SPACES Work with businesses, partners and the public to encourage the replication of nature recovery and habitat creation and restoration showcase examples of best practice.</p>	<p>IMPLEMENT</p>

Purpose: To inspire, raise awareness, inform and empower residents, businesses and organisations across South Gloucestershire in practical ways they can help nature and wildlife at home, work places and communities.	
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Climate Emergency Theme: Resources and Waste

PLANNED ACTIONS (2020/21)	PROJECT STAGE
LEAD – in our own operations	
Kingswood Park Composting - facilities and equipment to process park operations green waste into compost on site rather transport elsewhere. Purpose – To ensure adherence to the waste hierarchy and decarbonisation of our operations	IMPLEMENT
Resources and Waste - 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. Purpose: To reduce carbon emissions from waste and transportation of waste.	IMPLEMENT

Climate Emergency Theme: Adaptation and Resilience

PLANNED ACTIONS (2020/21)	PROJECT STAGE
LEAD – in our own operations	
Managing assets – Ensure the Council’s asset management plans incorporate the need to assess resilience measures required to adapt to a changing climate (as recommended by the Carbon Trust Report) and to support nature recovery and resilience. Purpose: To understand and increase resilience of council owned buildings and facilities to a changing climate.	IMPLEMENT
Flooding reduction - Carry out reconnection work on the River Frome Tributaries following on from River From Reconnected Project. Purpose: Restoration of river flow, to reduce localised flooding and improve nature.	IMPLEMENT
Training - Provide specific Continuous Professional Development (CPD) training on adaptation and resilience for key council staff. Purpose: To ensure that adaptation and resilience are integrated into planning work done by departments across the council.	IMPLEMENT
Managing assets – Inform decisions on future maintenance costs associated with new infrastructure. Purpose: To ensure that essential routine work that reduces flooding and other risks is fully funded such as drainage clearance, cycle path clearance.	DEVELOP
Risk Management - Evidence the local risks of the changing climate and include these in the corporate risk register. Purpose: To mitigate risk of the negative consequences of a changing climate.	IMPLEMENT

<p>Implement findings of the Carbon Trust Pathfinder Programme to develop a systematic approach to adaptation and resilience in South Gloucestershire.</p> <p>Purpose: Independent verification that SGC is taking necessary steps across all service areas to adapt and make South Gloucestershire resilient to the local impacts of climate change.</p>	DEVELOP
<p>ENABLE – a low carbon South Gloucestershire with our programmes, policies and decisions</p>	
<p>Research- Area wide climate adaptation and resilience risk assessment. Produce list of area wide requirements for adaptation and resilience based on latest available data. To include vulnerabilities of heat related fatalities.</p> <p>Purpose: To better understand and implement mitigation to the local risks of a changing climate.</p>	DEVELOP
<p>Research - Given the existing vulnerability of elderly people to the impacts of climate change, undertake a study of climate resilience measures in care homes and other health care facilities.</p> <p>Purpose: To improve resilience of care homes and other health care facilities to a changing climate.</p>	PREPARE
<p>INSPIRE – business and residents to take climate action themselves</p>	
<p>Communication - Communicate adaptation co-benefits as recommended in the Carbon Trust Report.</p> <p>Purpose: To increase understanding of co-benefits of adaptation measures.</p>	IMPLEMENT
<p>Communication - We will use our Year 2 communications channels to help our partners, residents and businesses to adapt and prepare for the likely local impacts of climate change.</p> <p>Purpose: Duty to communicate likely local impacts and steps that can be taken to prepare homes, business and protect health.</p>	IMPLEMENT