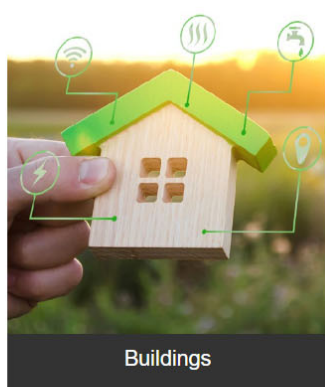
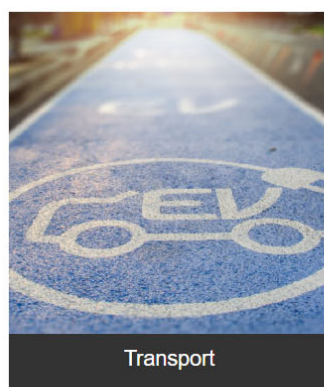


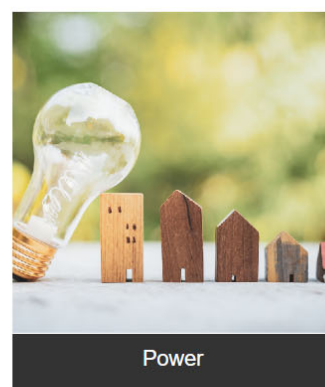
Decisions



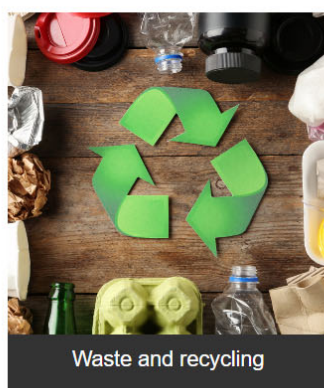
Buildings



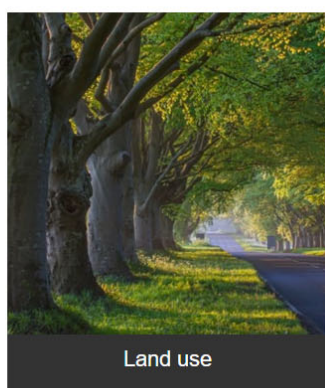
Transport



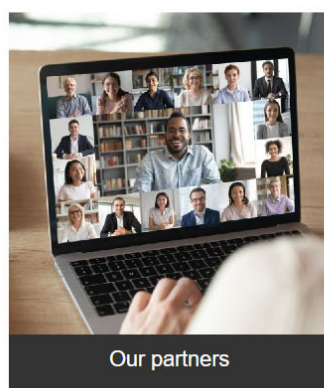
Power



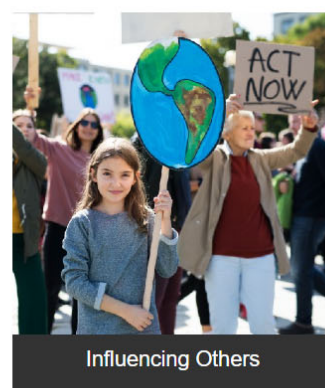
Waste and recycling



Land use



Our partners



Influencing Others

Gloucestershire Climate Change Strategy – Third Annual Report and 5-year Action Plan

*Annual Climate Change Strategy Review,
Gloucestershire's response to the Climate Emergency*

2022/23 - 2027/28

January 2023 – Draft approved for Cabinet/CLT

Welcome



This report on our climate change action plan outlines the key achievements in 2021-22 and summarises the action plan timeline up to the financial year 2027-28.

The report encompasses how we intend to reduce Gloucestershire

County Council's corporate emissions as well as ways that the Council seeks to encourage residents and businesses across Gloucestershire to do their bit to help in the fight against climate change. As consultation with the wider community is central to ensuring this plan serves the people of Gloucestershire, this year's report includes feedback from the Gloucestershire Youth Climate Group and the views of nearly 3,000 young people from the Gloucestershire Youth Climate Survey.

Gloucestershire County Council continues to make progress in reducing its own corporate carbon emissions and we remain on target to reach net zero by 2030. Amongst many other steps in our programme this year has seen the beginning of construction of the cycle path between Cheltenham and Gloucester, the opening of the carbon-neutral Leckhampton High School to students, the planting of 66,000 trees across the county and the reinvigoration of the Gloucestershire Youth Climate Group and Climate Leadership Gloucestershire following the hiatus caused by the Covid pandemic. In addition, four campaigns launched to help guide residents to reduce their own environmental impacts have already seen dividends, with the recycling rate across the county increasing again to 50.8%. We continue to provide hints, tips and information to residents through both our Greener Gloucestershire and Waste and Recycling newsletters, which are achieving above industry average engagement rates.

The County Council remains committed to the task of fighting climate change and delivery of a Greener Gloucestershire.

[Signature]

Cllr David Gray, Cabinet Member for Environment and Planning



Contents

Welcome.....	1
Introduction.....	3
Our Vision and Targets.....	3
Carbon Emissions Performance – Gloucestershire.....	3
Carbon Emissions Performance – Gloucestershire County Council (GCC).....	4
Key achievements 2022.....	5
5-year Rolling Action Plan.....	6
Engagement.....	7
Engagement Case Study 1 – Gloucestershire Youth Climate Group (GYCG).....	7
Engagement Case Study 2 – Gloucestershire Climate Action Survey.....	7
Engagement case study 4 - 'Know Your Plastics' campaign.....	10
Engagement Case Study 5 – Greener Wednesdays, A Regular Social Media Feature...	11
Further Information.....	11
Appendix 1 – Action plan progress 2021/22	
Appendix 2 – Proposed actions 2022/23 - 2027/28	
Appendix 3 – Gloucestershire Climate Youth Group feedback	
Appendix 4 – Gloucestershire Youth Climate Action Survey 2022 results	

Introduction

Gloucestershire County Council's (GCC) Cabinet approved the current Climate Change Strategy and 5-year rolling Action Plan in December 2019 and committed to reporting annually on progress against that plan.

This report summarises the progress that has been made in 2021-22, and our proposed actions over the next 5 years. More detailed information is included in the appendices.

Our Vision and Targets

Our Vision for Gloucestershire remains unchanged:

- By 2045 we will create a carbon neutral county that provides quality of life now and for future generations, having improved the quality of our natural environment.
- By 2030 we will have reduced our carbon emissions by 80% on 2005.

Such countywide targets cannot be achieved by any single organisation and will require extensive partnership working not only with district councils, businesses and other organisations (Health, Police, etc) but also **everyone** who lives, works and visits the county.

GCC is committed to lead by example. Our corporate targets are:

- **to reduce our carbon emissions** (buildings, street lighting, fleet, business travel) **by 80% by 2030** on 2006/07; and
- **to aim for 100% ('Net Zero') by 2030** through carbon offsetting.

Carbon Emissions Performance – Gloucestershire

The Government publishes UK emissions each year, by district, 2 years in arrears¹. The latest figures, published in 2022 for the county of Gloucestershire are shown by sector below (Figures 1 and 2).

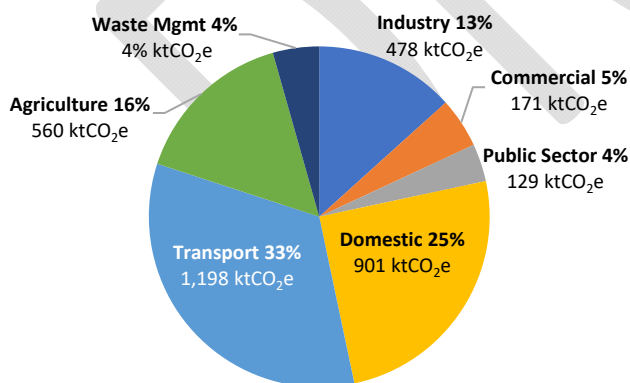


Figure 1, Gloucestershire territorial emissions 2020 (excludes imported goods)

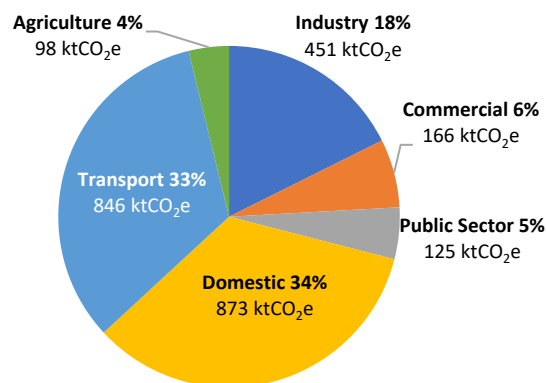


Figure 2, Gloucestershire emissions 2020, those under local authority influence (excludes large industrial sites, railways, motorways and land-use)

The effect of the Covid Pandemic on all aspects of life, including business and community, was significant, so care must be taken in how we understand reported data on emissions.

¹ [UK local authority and regional greenhouse gas emissions national statistics: 2005-2020.](#)

In 2020, Gloucestershire emitted 3,950 kilotonnes of carbon (ktCO₂e²), 5.4 kgCO₂e per person. 12% less than in 2019, ahead of the 10% reduction for the South West and England. The main differences were slightly higher reductions in Gloucestershire emissions from Industry (5%), Commercial (1%), Public Sector (1%) and Transport (1%). The overall drop of 12% in 2020 is much higher than the 1% drop in 2019, no doubt principally a result of the lockdowns during the Covid pandemic, but our outperformance against national and local comparators is encouraging.

Carbon Emissions Performance – Gloucestershire County Council

Our gross emissions³ for 2021/22 were 6,339 tCO₂e, a reduction of 78% against the baseline, shown below (Figure 3). Our net emissions⁴ were 3,225 tonnes of carbon (tCO₂e), a reduction of 85% when accounting for renewable electricity supply⁵.

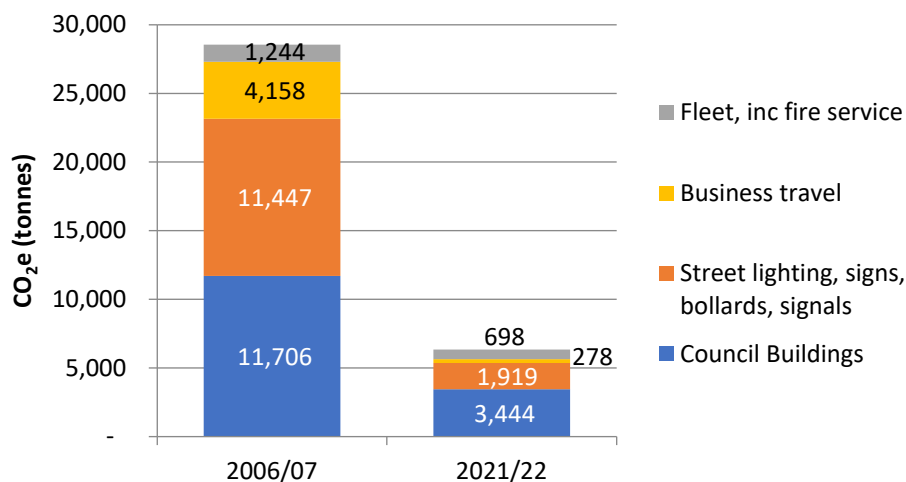


Figure 3, GCC emissions reduction on the baseline

However, 95% of the Council's entire carbon footprint is estimated to be from emissions from the supply of goods and services ('Scope 3' emissions⁶), of which we have a limited understanding – we are working to improve our understanding and reporting, in line with the Council's climate emergency declaration in 2019, and to work with key providers to help them reduce their emissions.

² CO₂e = 'carbon dioxide equivalent', where different greenhouse gases are expressed as the amount of CO₂ required to give the same warming potential ([Government emission conversion factors for greenhouse gas company reporting](#)).

³ Gross emissions, i.e., what we cause to be emitted – our carbon footprint.

⁴ Net emissions are the Gross emissions less any renewable energy generation exported to the grid, carbon offsets and green electricity purchased.

⁵ The council's electricity supply is backed by Renewable Energy Guarantees of Origin (REGOs) purchased from 100% renewable, UK based solar, wind or hydro/wave generators.

⁶ Emissions are categorised into three groups:

- **Scope 1 (Direct emissions):** Activities owned or controlled by GCC that release emissions straight into the atmosphere. These are direct emissions. Examples include emissions from combustion in owned or controlled boilers, furnaces, and from fleet vehicles.
- **Scope 2 (Energy indirect):** Emissions released into the atmosphere associated with the consumption of purchased electricity, heat, steam, and cooling. These are indirect emissions that are a consequence of GCC activities, but which occur at sources we do not own or control.
- **Scope 3 (Other indirect/ supply chain):** Emissions that are a consequence of GCC actions, which occur at sources we do not own or control and which are not classed as Scope 2 emissions. Examples are business travel by private car, waste disposal, or purchased materials or fuels.

The Javelin Park Energy from Waste Facility in processing Gloucestershire’s residual household waste emitted 2,713 tCO₂e in 2021/22 (part of GCC’s scope 3 emissions), compared to 56,861 tCO₂e had the waste gone to landfill. The renewable electricity generated offset 13,743 tCO₂e compared to grid electricity; giving a net reduction of 11,030 tCO₂e.

Key achievements 2022

Key achievements this year are summarised below, with more detail in Appendix 1.

Climate Change Action Plan

— A look back at key achievements in 2022 —

<h3 style="margin: 0;">Decision Making</h3> <p style="margin: 5px 0;">Climate Leadership Gloucestershire was established and the Youth Climate Group was revived.</p> 	<h3 style="margin: 0;">Transport</h3> <p style="margin: 5px 0;">A new project to install 1000 Electric Vehicle charge points was launched and a supply partner contracted. A Transport Forum brought together stakeholders from across Gloucestershire to launch the Transport Decarbonisation Plan. B4603 construction started on a new cycle route to link Gloucester and Cheltenham.</p> 	
<h3 style="margin: 0;">Influencing others</h3> <p style="margin: 5px 0;">Campaigns promoting repair, plastic recycling and reduction, Food Waste and Textiles were launched, reaching more than a million hits on social media. A new staff initiative 'Greener Champions' launched to reduce carbon emissions.</p> 	<h3 style="margin: 0;">Buildings</h3> <p style="margin: 5px 0;">Leckhampton High School, a new environmentally designed school, that will run carbon neutrally, was completed and opened to students.</p> 	
<h3 style="margin: 0;">Power</h3> <p style="margin: 5px 0;">REGO's purchased as part of a journey towards procuring 100% renewable energy.</p> 	<h3 style="margin: 0;">Waste</h3> <p style="margin: 5px 0;">The recycling rate increased to 50.8% in 2020/2021 and the average residual waste per household decrease to 441kg per household from 460kg the previous year.</p> 	<h3 style="margin: 0;">Land Use</h3> <p style="margin: 5px 0;">66,000 trees planted last season, up from 30,000 in the prior year. Funding of £286k awarded by the Forestry Commission for further Tree Planting by the council. Funding approved for the Climate Action Officer – Biodiversity.</p> 

You can see more details about the progress in each of these areas and read our full climate change action plan on our [Climate Change dashboard](#).

5-year Rolling Action Plan

Key actions for 2023/24 are shown below, with the full proposed action plan for the period 2022/2023 to 2027/2028 set out in Appendix 2.

The number of themes has reduced from 8 to 7, with theme 6, 'Influencing Others', and theme 8, 'Campaigning', merged to create a new theme 6, 'Engagement'.

Climate Change Action Plan

What we aim to do at a glance

<h3>Decision Making</h3> <p>We are supporting organisation-wide initiatives that accelerate climate action including Climate Leadership Gloucestershire, Gloucestershire's Youth Climate Group, air quality improvement projects, stress testing of assets and carbon reporting in our contracts.</p> 	<h3>Transport</h3> <p>We are installing 1,000 electric vehicle charge points, carrying out West Cheltenham & Arle Court cycleway and pavement improvements, connecting Gloucester to Cheltenham with a new dedicated cycle route and carrying out projects to improve air quality in management areas.</p> 	
<h3>Engagement</h3> <p>The council is directly responsible for around 3% of Gloucestershire's emissions but can influence up to 30% through our links to the community. We run two campaigns per quarter focussed on actions residents can take to reduce their environmental impact, libraries are creating greener together zones to increase access to sustainable literature, staff champions are spreading sustainability messages through communities.</p> 	<h3>Buildings</h3> <p>We are creating new guidance around 'Building with Nature' standards, investing in new carbon neutral school buildings and retrofitting to decarbonise existing buildings.</p> 	
<h3>Power</h3> <p>We are investigating heat offtake systems, solar photovoltaic and district heating networks and procuring renewable energy for council buildings.</p> 	<h3>Waste</h3> <p>Waste will be reduced and 55% of household waste will be recycled by 2026. We run waste reduction projects including subsidised cloth nappies, composting equipment and provide advice via our Master Composters, we power 25,000 homes by converting non-recyclable waste to energy and are developing reuse shop options at Household Recycling Centres.</p> 	<h3>Land Use</h3> <p>We are increasing flood resilience, planting trees to offset carbon, funding the Local Nature Partnership, supporting Biodiversity Net Gain and recruiting a Biodiversity Officer to implement the Local Nature Recovery Strategy in Gloucestershire.</p> 

You can see more details about the progress in each of these areas and read our full climate change action plan on our [Climate Change dashboard](#).

Engagement

The County Council recognises that the key to addressing the climate change emergency, whether internationally, nationally or locally, is engagement. Five examples of GCC's efforts to engage are set out below.

Engagement Case Study 1 – Gloucestershire Youth Climate Group (GYCG)

The Council funds external independent support of Gloucestershire's Youth Climate Group (GYCG), currently provided by Creative Sustainability, providing opportunities and events for the young people aged 16-25 to build skills, develop teamwork and offer feedback on Gloucestershire County Council's climate actions.



Photographer: Oscar Blair

Creative Sustainability coordinated a 'What Can I Do?' youth activism event with GYCG. The group included other youth groups across Gloucestershire and they put together comments on the Climate Change Strategy. Their comments and the Council's response is set out in Appendix 3. See a video put together for the event [here](#). (Videographer: Connor Newson)

The Council is committed to ongoing support of the Group and ensuring that the Group's views are reflected in the Council's climate change strategy annual updates and action plan. A new contract will be tendered and awarded in 2022/23 for continued support of the group.

To find out more about the Group, including how to join, visit [Glos Youth Climate Group – CSCIC](#).

Engagement Case Study 2 – Gloucestershire Climate Action Survey

The Council supported a **Gloucestershire-wide youth survey** (July to October 2022), carried out by the InterClimate Network⁷ (ICN) working with GYCG, Creative Sustainability, Gloucestershire Wildlife Trust⁸ and Planet Cheltenham⁹.

Nearly 3,000 young people responded from schools and communities across Gloucestershire. The key findings are outlined below, with the findings report attached as Appendix 4.

⁷ The [InterClimate Network](#) is a charity who work collaboratively to deliver climate sustainability programmes to engage young people (primarily age 11-18) across the UK with the complexities of climate change, inspire their climate action, and promote their voices in their own sustainable future.

⁸ [Youth Advisory Group \(YAG\) – Gloucestershire Wildlife Trust](#) was set up in recognition that the future of nature and our connection with it will in part be decided on by young people, and GWT wants to be pivotal in making this happen by giving young people a voice. They will work closely and be supported by the Board of Trustees and key GWT staff.

⁹ [Planet Cheltenham](#), a community action hub, seeks to connect people to community initiatives that help tackle climate change, fight social inequality and build a sustainable, resilient future for their town.

Key findings from Gloucestershire's Youth Climate Action Survey, 2022

InterClimate Network, working with Gloucestershire Youth Climate Group, Creative Sustainability, Planet Cheltenham and Gloucestershire Wildlife Trust, conducted research to learn more about how 11 to 25 year olds think, feel and act in relation to the climate crisis. Here is a summary of the views of **nearly 3,000 young people** who responded from schools and communities across Gloucestershire. The full report will inform and positively influence Gloucestershire County Council's Climate Change Strategy.

More than **8/10** young people are concerned about climate change.

- 78% said climate change will affect their life in the future.
- Causing less damage to the environment is one of the top four priorities for young people.

Young people can be enabled to take more climate action by ensuring they have:

-  Enough opportunity to carry out action
-  A supportive community of action
-  Knowledge about actions and their impact
-  The motivation to feel positive that individual action can make a difference.

86% young people support council action on climate change, 11% were unsure and only 3% were against.

3 in 4 young people are already choosing to act on climate change. Most action is taking place at home. Yet action at home is not always translating to action in school or the wider community.

Top 5 actions likely to gain further support

-  Reduce energy use
-  Improve travel and transport
-  Think about the impact of what we buy and use
-  Reduce use, reuse and recycle
-  Help protect and improve nature

3 key motivators for action

-  Install more equipment that make it easier to undertake action.
-  Track results and showcase the positive impact of actions.
-  Rewards and competitions to encourage action.

Who inspires action?

-  **Schools** provide the most trusted and inspiring source of information on climate change.
-  **Working together** is a strong motivator for youth climate action.
-  **Families** having a significant influence on involvement.

A project by: 
InterClimate Network

In partnership with:  Planet Cheltenham

 creative sustainability

 Gloucestershire Wildlife Trust

Supported by:  Gloucestershire COUNTY COUNCIL

Young people want more joined-up action

- 1 Young people recognise that **systemic change** is needed alongside individual action to make a meaningful difference.
- 2 Young people saw the Government as having the most power to make a difference, but are the least representative. Many are looking for **more national level leadership on climate action**.
- 3 There are strong feelings that **responsibility** and action need to be **shared fairly** across society.

Engagement case study 3 - Gloucestershire Transport Forum – Journey to Net Zero

Transport accounts for 43% of all carbon emissions in Gloucestershire, making it an important focus for carbon reduction.

The 'Journey to Net Zero' forum was held on Tuesday 19 July to discuss how to decarbonise transport by working together with groups across the county.

Over 100 people including councillors, district councils, transport operators, education providers and community organisations were all a part of the conversation.



At the event:

- Speakers highlighted the need for public, private and the third sector to work together to address climate change and transform Gloucestershire's transport system.
- There was a positive response from a wide section of community representatives and groups across the county.
- Widespread support for measures to decarbonise transport and a clear understanding of the urgency for action.
- There was agreement that better public transport and better facilities for walking and cycling should continue to be a key priority.
- The need to change behaviour and think about the way we travel was highlighted.



The county council has committed to reducing carbon emissions from all sources in the county to net zero by 2045 and to reduce emissions by 80% by 2030. The county council is leading on decarbonising transport. Everyone has a role to play in reducing their carbon and trying to use new lower carbon options when they become available.

The event aimed to start a conversation about decarbonising transport in the county. Climate Leadership Gloucestershire also wanted to understand the challenges and opportunities among different groups and areas of the county, including rural areas, market towns, urban areas, businesses, young people, community groups and transport operators.

The [Climate Youth Group](#) presented their perspective on the importance of transport decarbonisation to young people.



Journey to
Net Zero

Engagement case study 4 - 'Know Your Plastics' campaign

A summer campaign launched by the Gloucestershire Resources and Waste Partnership aimed to reduce plastic consumption and increase recycling in Gloucestershire.



With many different types of plastics sold, it can be confusing for the public to know which types can and cannot be recycled locally. Understandably, some people resort to putting plastics in their bin hoping they can be recycled, known as “wish-cycling”. However, this can result in extra sorting costs and lower quality materials.

The campaign focussed on questions that residents might have about plastic recycling,

such as whether plastic items need to be washed and squashed, are black plastics accepted and should lids be left on or taken off bottles.

Some tips included:

- Always wash your recycling - dirty items are not able to be picked up by automated plastic sorting machines
- Many items like plastic bags, salad bags and crisp packets can't be added to your kerbside recycling, but they can be recycled at some supermarkets – find your nearest place [here](#).
- Check your local district guidance for details about what can be recycled in your area or the [Gloucestershire Recycles website](#).



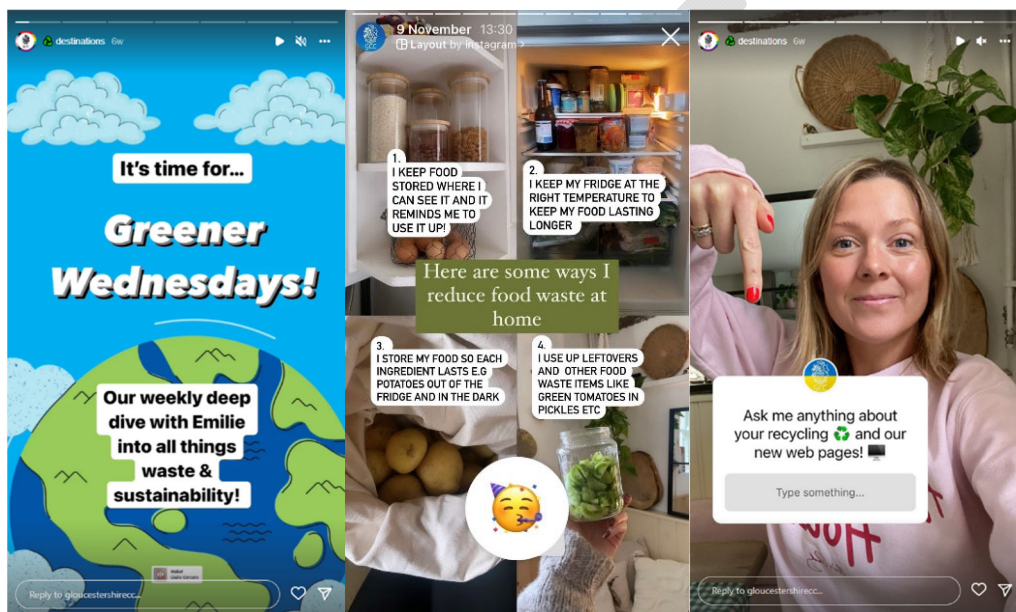
The campaign focussed on digital engagement through the Gloucestershire Recycles website, newsletters and Social Media channels. Social Media Influencers were used for the first time at GCC to spread the messages of the campaign in groups with low participation in plastic recycling.

This campaign has been shortlisted for the [Granicus Digital Public Sector Award for community engagement](#).

Engagement Case Study 5 – Greener Wednesdays, A Regular Social Media Feature

Every other Wednesday Emilie, one of GCC's Sustainability & Engagement Officers, gets online and talks to camera on GCC's Facebook and Instagram stories to engage directly with residents about sustainability & waste topics. This direct engagement includes quizzes, Q&A sessions as well as story sharing from residents and Emilie herself to encourage more sustainable lifestyles and choices.

By showing a face behind the team and campaigns, Emilie is able to increase engagement with the campaigns and provide a relatable point of view. This is achieved through social norming behaviour change techniques, which encourages residents to engage and make more sustainable choices as a result.



Since its launch in April 2022, approximately 9,000 residents have seen the Greener Wednesdays feature and over 16 different topics have been covered including:

- Textile waste
- Food waste
- Flood Action Week
- Carbon Footprints
- Plastic Free July
- Zero Waste Week

To view Emilie's past Greener Wednesdays, just visit [GCC's Instagram page](#) and take a look on the highlights reel.

Further Information

The [Greener Gloucestershire - climate dashboard](#) tracks our progress on our climate change action plan.

You can also [find out what you can do to help](#) tackle climate change and [subscribe to the Greener Gloucestershire newsletter](#) to receive hints, tips and the latest updates.

You can find out more about waste and recycling initiatives across Gloucestershire on the [Gloucestershire Recycles](#) web pages and [subscribe to the Waste and Recycling newsletter](#), to receive tips and the latest updates.

Contact the Council's Sustainability team at glosclimate@gloucestershire.gov.uk.

Action Progress, 2021/22 to date

Key: **Green** complete; **Amber** in progress; **Red** not yet underway

1. Putting Climate Change at the heart of decision making

1.1 Countywide coordinated approach & action plan

Climate Leadership Gloucestershire (CLG)

CLG was formally established by Leadership Gloucestershire in November 2021 and comprises lead representatives with climate change responsibilities from Gloucestershire County Council (GCC), each of the District Councils, Gloucestershire Constabulary, the NHS Integrated Care Board and Foundation Trusts, Gloucestershire Local Enterprise Partnership and Gloucestershire Local Nature Partnership. CLG is supported by an independent Countywide Climate Change Coordinator. This role is part funded by GCC, and recently extended to 2025/26. It is working to develop a Strategic Climate Action Plan for the county organised around 10 themes (Adaptation, Behaviour Change, Biodiversity, Energy, Food and Farming, Planning, Retrofit, Transport & Waste). CLG is working to a forward programme of meetings and has considered the strategic actions that need to be taken under the Biodiversity, Transport, Retrofit, Waste Food and Farming, Adaptation and Behaviour Change Themes (as of October 2022).

Countywide approach

CLG agreed that it will undertake a review of the countywide approach at the end of its first year of operation and once all 10 themes have been considered. The review is scheduled to be completed early 2023 but some key challenges have already been identified (establishing and resourcing the operational ecosystem which is required to accelerate delivery against partners' net zero targets, and ensuring clear and robust lines of communication and reporting, being just two). Work is progressing to develop solutions ahead of the formal review. Further consideration is needed on whether an Expert Advisory Panel is warranted. The formation of a panel was an early recommendation within the GCC Climate Change Strategy but is being reviewed in light of the more recent development of CLG.

CN2030 Group

The CN2030 Group of Climate Change officers across CLG partners now meets monthly and is a vehicle for disseminating information, discussing joint priorities for climate action, and identifying barriers to progress common to all partners. Work is progressing on draft Terms of Reference for the group, which has been expanded to include representation from the Cotswold National Landscape.

1.2 £1m Climate Change & Air Quality Action Fund

Actions funded in 2022/23 include: salary contribution for the Countywide Climate Change Coordinator; planting for the Million Trees Challenge; School Streets project; Air Quality initiatives; EV infrastructure project management and GCC charging infrastructure; Gloucestershire Youth Climate Group.

1.4 Recruit staff

Delivery of the Climate Change Strategy is led by the Sustainability Team, which is now comprised of:

- Outcome Manager - Sustainability, 1 FTE (permanent)
- Biodiversity Officer, 1 FTE (new post, 2-year fixed from December 2022)
- Climate Change and Air Quality Officer, 1 FTE (permanent)
- Commissioning Officer, 1 FTE (permanent)
- Tree Project Officer, 1 FTE (new post, 2-year fixed from January 2021)
- Sustainability and Waste Engagement Officers, 0.8 FTE (permanent)

The team structure is currently under review to increase capacity and effectiveness.

1. Putting Climate Change at the heart of decision making (continued)
1.5 Pathways to Net Zero
<p><i>Co-ordinating the County's Journey to Net Zero</i></p> <p>Gloucestershire's Transport Forum ('Journey to Net Zero' event) was held in July 2022 with c140 attendees from across businesses, councils and community groups. Feedback about possible pathways to transport decarbonisation were collected and will be utilised for future planning, and partnerships. GCC's Transport Planning team continues to develop its carbon reduction pathway work, with engagement resource secured from UK:100 to support this.</p> <p>GCC's Highways service is working with its key contractors, Tarmac and Ringway, to quantify carbon emissions for works and to develop a highways carbon management plan.</p> <p>The Javelin Park Energy from Waste facility continues to generate electricity, with 50% classed as renewable, meaning the Council continues to be a net generator of renewable energy.</p>
1.6 Carbon reduction & reporting through contracts (Scope 3 emissions)
<p>Javelin Park Energy from Waste Facility – carbon emissions from the processing of Gloucestershire residual household waste arisings have been quantified and are now reported as part of the Council's improved 'Scope 3' emissions.</p> <p>See also 1.5, GCC's Highways service work with Tarmac and Ringway.</p> <p>Shire Hall catering contract was renewed in July 2022. The specification has a robust sustainability clause, including requirements on food sourcing, disposables, waste management, disposal of soils, transport impacts, energy efficiency, water use and general sustainability. This contract is up for renewal in July 2026.</p>
1.7 Stress test public sector assets and services against climate change
<p>Business Continuity Management plans have been updated; annual testing and evaluation started in Summer 2022, including climate change scenarios. Ongoing membership of Department for Environment, Food & Rural Affairs' (DEFRA) Local Adaptation Advisory Panel; a conduit between councils/ government, including best practice. Council adaptation action plan being developed 2022/23.</p>
1.8 ROBUST 'circular economy' project, with the University of Gloucestershire and EU partners
<p>ROBUST was an academic research project funded by the EU through the Horizon 2020 research and innovation programme. The project has finished and all research findings, papers and reports have been completed.</p>
1.9 Gloucestershire Youth Climate Panel, ongoing commitment to work with to develop a plan to challenge and influence actions taken by individuals, communities, organisations and business.
<p>The Council funds external independent support of Gloucestershire's Youth Climate Group (GYCG), currently provided by Creative Sustainability, providing opportunities and events for the young people to build skills, develop teamwork and gain feedback on GCC's climate actions. The Council is committed to ongoing support ensuring that the Group's voices and opinions are heard and translated into the Council's climate change strategy annual updates and action plan. A new contract will be tendered and awarded in 2022/23 for the independent support of the GYCG.</p> <p>GYCG's feedback on the action plan, and the Council's response, is in Appendix 3.</p>
1.10 Carbon Literacy Training
<p>The pilot training initiative continued into 2022/23, which was delivered to a selection of members and staff drawn from Cabinet; Chairs of Scrutiny Committees; Environment Scrutiny Committee; Corporate Leadership Team; Democratic Services; Environment Economy & Infrastructure senior managers, staff and business partners from HR, Strategic Procurement and Strategic Finance. A procurement is being developed to deliver a further programme of training for staff and members.</p>

2. Buildings – the Council, residents, businesses and partners

2.1 All new developments support the move to zero carbon and improve resilience

The Council aims to reduce the carbon footprint of commissioning new buildings.

Heart of the Forest Special School – the Council is currently working on a scheme comprising of 2 classrooms, a group room and a sensory room. The scheme is still in the design stage and as advised the capacity of the biomass boiler is being reviewed as engineers have suggested it may be insufficient to run the new building. Currently awaiting further investigation and the possibility of air source heat pumps and photovoltaics.

Leckhampton High School – completed September 2022. The school creates its own green energy using solar panels. It has been environmentally designed with tree and hedgerow planting on the school grounds and in nearby fields, with a long-term commitment made to manage those local habitats for the benefit of wildlife.

Brook Academy, Brockworth – completed September 2022. The academy's design has incorporated environmentally friendly measures, including solar panels on the roof of the school, heating via a ground source heat pump and has electric vehicle charging points.

Work is underway through CLG to support advisory work for the retrofit of residential properties with greener and more efficient space heating and insulation. CLG will also be exploring Land Use Planning as a key theme to help decarbonise commercial and residential properties, and ensure they are adapted to a changing climate.

2.2 New Primary School for Bishops Cleeve

The scheme is in the very early stages of design, but sustainability will be at the core of the design. GCC will be providing air source heat pumps (ASHP) and a significant number of photovoltaic (PV) panels.

2.3 New Social, Emotional & Mental Health (SEMH) School, Brockworth Brook Academy

The school is opened in September 2022. Upgraded roof and wall insulation. Hybrid ASHP & gas, solar PV panels installed to achieve 100% betterment on current building regulations.

2.4 Replacement of Warden Hill Primary School

This project is in progress (to be completed February 2023). PV, ASHP, natural ventilation, energy efficiency improvements, external walls & roof areas will be considered as part of the design process to deliver a sustainable school in line with the Council's pledge. Installation of ASHP, and 500m² of PV will achieve 100% betterment of current building regulations. During the design further carbon reduction features will be looked at and will add further costs. Estimated completion date of February 2023.

2.5 Belmont Special School classroom extension

This is now complete. 'Fabric first' approach to minimise the need for energy consumption, providing around a 30% improvement over current building regulations.

2.6 High School, Leckhampton (new secondary)

Leckhampton High School is complete (as of September 2022). 718 solar PV panels on the roof to provide 100% reduction in CO₂ emissions.

2.8 Decarbonisation of buildings

The Council has funded the assessment of 12 Council buildings and communal utility blocks across 4 Gypsy and Traveller sites for heat decarbonisation measures, prioritised for works as their heating systems require replacement over the next 3 years. Market saturation has made obtaining quotes for works difficult, with some costs increasing four-fold. Projects are being reassessed to find a way forward.

2. Buildings – the Council, residents, businesses and partners (continued)
2.9 Heat Decarbonisation Programme, subject to bid outcome
Unable to develop compliant bid for 2022 funding round. Market saturation has made obtaining quotes for works difficult, with some costs increasing four-fold, making schemes non-compliant with bid criteria. Projects are being reassessed to find a way forward (see 2.8)
2.10 Look to be an early adopter of innovative commercial energy recovery technology
This action to pilot the technology at Shire Hall is being deleted as it is no longer considered an appropriate solution and is superseded by action 2.9, Heat decarbonisation programme.
3. Transport – carbon busting options for all
3.1 Council Fleet Review
'Edge of Care' social care fleet vehicles replaced with 6 electric vehicles, including charge points at the team's base as a pilot. Funding secured for 41 vehicles in Gloucestershire Fire and Rescue Service (GFRS) fleet. Some electric vehicles, and some improved Euro 6 standard, however this will need to be reviewed in light of any duty charges that may be applied to electric vehicles going forward. Solar 'Trailer' trial in GFRS, solar PV utilised on the hood of one vehicle to assist with powering the electrics and reducing fuel consumption.
3.3 Electric Vehicle (EV) Strategy.
Contract awarded February 2022. Procurement completed. Installation programme developed, works started in quarter 2. EV Chargepoints (EVCPs) – the identification and planning for the rollout of 1,000 on-street EVCPs is underway. The EVCPs will be targeted for those residents that do not have access to off-street parking. The first phase of locations has been identified and is being consulted on. To identify locations the density of residents with no off-street parking, demographic data, residents' requests and feedback local sources has been used. A link has been published to allow residents to register interest in a local EVCP – Register Interest .
3.4 Local Transport Plan (LTP)
(see 1.1) GCC were awarded £14,127,413 in Spring 2022 for the delivery of Cheltenham to Bishops Cleeve Cycleway and Gloucester Cycle Spine, which secures the full funding to deliver both Active Travel Schemes that will form part of GCC's 26 mile Sustainable Travel Corridor between Stroud and Bishops Cleeve.
3.5 Schools Streets Programme, multi-partnership and countywide
To support schools over the next year it is proposed that we work with schools to deliver a Safer Routes for School Programme that will focus on combining behaviour change initiatives, with highways solutions to create safer routes to school. Two Schools Streets schemes were trialled from November 2020 to April 2022 and were successfully made permanent in May 2022. In the first trial, 75% of the school and local community thought road safety had improved because of the School Street and 13% more families travelled by scooters alone for 12 months – which is a significant modal-shift. The first School Streets trials were conducted at Warden Hill Primary and Tewkesbury C of E Primary over 18 months between November 2020 and April 2022. Active travel levels at both schools were high before and during the trials and the decision was taken to make them permanent in May 2022 The School Streets team is proposing an alternative use of funds to deliver a mode shift for Schools approach for the 2022-23 for priority schools. The team aims to work with twelve schools this academic year. At the beginning of the year the Council issued a media release about Phase 2 School Streets trials. Four schools committed to joining Phase 2, which they expected to start 2024 summer. They are:
<ol style="list-style-type: none"> 1. Longlevens Junior School, Gloucester 2. Widden Primary School, Gloucester 3. Stratton Church of England Primary School, Cirencester 4. Cam Woodfield Junior School, Dursley

3. Transport – carbon busting options for all (continued)

3.6 Leckhampton High School transport measures

The school opened in September 2022. Working with partners to alleviate congestion, improve air quality and promote active travel. ThinkTravel have provided feedback on the Leckhampton Travel Plan, which is being incorporated into the plan.

3.7 Health/travel place apps

Think Travel have been trialling Love to Ride (an online cycling community and tracking app) since June 2021 and have extended for a further year in partnership with Active Gloucestershire. A Gloucestershire site with a 365 challenge programme to incentivise cycling has been created. The first year has had a promising uptake. Love To Ride 2021-2022:14,465 total biking trips logged, total 286,062 miles.

3.8 Community Infrastructure Levy for Active Travel

The Community Infrastructure Levy is a planning charge, introduced by the Government through the Planning Act 2008 to provide a fair and transparent means for ensuring that development contributes to the cost of the infrastructure it will rely upon, such as schools and roads.

Stroud District Council (SDC) allocated Community Infrastructure Levy for 'strategic' projects (this includes active travel schemes).

In terms of this year's submission to SDC for funding in 2023/24, the following active travel schemes were promoted:

- Public Rights of Way (PROW) – £220,000 - Improvements to Dudbridge to Ryeford Cycle trail
- Transport Planning - £30,000 – Funding to develop an options report and feasibility study for the Dudbridge steps cycle link

Looking to engage with the district councils in their capacity as CIL charging authorities to encourage more funding to be allocated to support Active Travel improvements across Gloucestershire.

3.9 School & Workplace Travel Champions

Think Travel has co-ordinated key behaviour change measures through the Capability Fund to assist with the transition back to the workplace. Initiatives including the following:

- Commissioned SusCom director to identify active travel business champions through the re-launch of the Gloucestershire Active Travel Business Group.

Commissioned a Capability Co-ordinator to co-ordinate Transition Back to Work programme. They have been working on the following:

- The Active Business Grants to local businesses /organisations situated along the B4603. (Cheltenham to Gloucester)
- Working with Mobility ways who have been commissioned to work with twelve businesses in the locality of the B4063 to undertake scoping, travel surveys, personalised travel planning advice and the carbon footprint of their commute (including GCC).

Working to deliver additional cycle training, led walks and led rides in partnership with schools and organisations along the B4063 and the Thinktravel team which have been linked to Love To Ride and national events.

3.10 Expand Council Travel Plan

Ensure 30% mode shift target is reflected and refined in the emerging transport de-carbonisation plan *Active Travel*

Working with '[Mobilityways](#)' who have been commissioned to work with twelve businesses in the locality of the B4063 to undertake scoping, travel surveys, personalised travel planning advice and the carbon footprint of their commute, including GCC. GCC's Staff Travel Plan has recently been completed, targets will be developed.

Transport Planning

Assuming that the 30% mode shift target refers to a 30% shift of car trips to sustainable modes, this would roughly align to the current calculations that fed into the "scale of ambition needed" that was presented to Environment Scrutiny Committee in May 2022 ([Environment Scrutiny Committee \(May 2022\), Item 4: Decarbonising Transport, Gloucestershire County Council](#)). As the transport decarbonisation plan progresses, these calculations will be refined and reviewed.

3. Transport – carbon busting options for all (continued)

3.11 30% modal shift

Active Travel

A number of sustainable and active travel schemes are underway such as the Gloucestershire Cycle Spine (a 26 mile route between Stroud and Bishops Cleeve), and cycling and walking upgrades within the West Cheltenham and Gloucester South West by-pass schemes. Ensure 30% mode shift target is reflected and refined in the emerging transport de-carbonisation plan.

Transport Planning

30% modal shift would roughly align to the mode shift ambitions expressed as ‘emerging indicative ambitions’ in the May 2022 Environment Scrutiny report. These are:

- Ride sharing for an extra 2.5% of car travel;
- An increase in active travel by 300%;
- An increase in public transport use by 100%;

While we don't monitor figures for ride sharing, we do monitor trends in the use of cycling, rail and buses through the annual LTP monitoring reports, which can be found in the [LTP monitoring reports](#). In the LTP 2019/20 report, there was an increase in rail use (though this may be due to pre covid data being reported), but a decline in bus use and stagnation for cycling. The 2020/21 monitoring report is due to be published shortly.

3.12 West Cheltenham Transport Improvement Scheme (WCTIS)

All the work on the A40 part of the route has been fully completed, this extends from M5 J11 to Lansdown Rail Bridge with a continuous cycle and walking route extending from Arle Court Roundabout to Lansdown Rail Bridge delivered as part of the scheme information on the completed scheme can be found at www.gloucestershire.gov.uk/wctis

Trees have been ordered and will be planted adjacent to Arle Court Roundabout

The Hubble Road/Telstar Way Cycle Route is due to be completed in November comprising of segregated facilities

3.13 M5 J10 Improvements Scheme

Planning, development, construction and completion being carried out on this. Deliver a package of measures which is in keeping with the local environment, establishes biodiversity net gain and meets climate change requirements.

Climate change actions/considerations are to comply with the relevant planning policy, as the scheme is a Nationally Significant Infrastructure Project this is the National Policy Statements for National Networks.

3.14 B4063 Cycle Route Gloucester to Cheltenham

Until 2025, work is being carried out on 7 miles of new cycle infrastructure between Gloucester Docks and Arle Court Cheltenham.

The works between Arle Court Roundabout and Elmbridge Court Roundabout are now largely being delivered with sections from East to West progressing as follows:

Works and expected completion dates:

- Between Arle Court Roundabout and Pheasant Lane (Nov 2022) Between Pheasant Lane and the M5 Overbridge in Staverton (complete)
- Between the M5 Overbridge and Brickhampton Golf Course (end of 2023)
- Between Brickhampton Golf Course to Elmbridge Court Roundabout have been tendered and a successful contractor has been notified with works expected to start before end of 2023 (early 2024)
- On the Elmbridge Court to Estcourt Road Section a consultation period has just ended and feedback will be carefully considered and any feedback published on our website to reflect any changes made to the design, this will inform the detailed design stage development of the scheme.
- On the Great Western Road/London Road Junction through Gloucester City Centre route, GCC have been consulting with Sustrans on route suitability and design over the past couple of weeks and hope that this will inform the preliminary design stage development of the scheme.

3. Transport – carbon busting options for all (continued)
3.15 A435 Cycle Route
<p>3.15.1 Route new designated cycle facility between the Honeybourne Line in Cheltenham and Bishops Cleeve along A435, subject to Department for Transport (DfT) funding approval. Route extents increased and to be designed in 2021/2022 and built in 2022/23.</p> <ul style="list-style-type: none"> • DfT Funding has been secured from a DfT Active Travel Tranche 3 bid • Design has been developed from an early concept stage to early preliminary design stage plans • Sustrans reviewed the proposals last week and provided feedback which will be developed further • Design/consultation is likely to continue until late 2023 with works delivered 2023/24 into 2024/25
3.16 Arle Court Transport Hub
Provide opportunities to switch to more sustainable transport modes for 'last mile' journeys to central Cheltenham, railway station, hospital and the proposed significant development sites in west-Cheltenham. Construction completion anticipated in Spring 2024.
3.17 Public Transport Strategy
Enhanced Partnership Agreement (Council and bus operators) implementation programme wording complete ready for consultation. Review of Bus Service Improvement Plan submitted November 2022.
3.18 Public & school transport
Public Transport Strategy (Enhanced Partnership Agreement (Council and bus operators) implementation programme) – The wording has been agreed and is ready to implement. Review of bus service improvement plan – completed and submitted to DfT November 2022.
3.19 Air Quality Management Areas
GCC was granted £40,000 in funding for the development of an E-cargo bike solution for last-mile deliveries around central Cheltenham. The Council's Sustainability Team are investigating the most effective way to roll this out within DEFRA's parameters.
3.20 Air Quality Monitoring, Reporting & Actions
<p><i>District Air Quality Funding Offer</i> GCC is investigating an application process for Gloucestershire's six district Council's to access additional funding (from GCC's Climate Change and Air Quality Strategy) to supplement air quality projects. This supports the objectives in Gloucestershire's Air Quality and Health Strategy.</p> <p><i>Gloucestershire's Air Quality Webpage</i> The sustainability team has collated district monitoring data in order to present the monitoring reports in a more visual and interactive way. This is to be hosted on Power BI with links from County and district council websites.</p>
3.21 Develop pathways to zero tonnes per capita from transport by 2045
Baseline developed together with the potential required actions to deliver. Gloucestershire's Transport Forum (Journey to Net Zero event) was held in July 2022, see 1.5 'Coordinating the County's Journey to Net Zero'.
3.22 Stroud to Gloucester Bus and Cycle Corridor
<p><i>Stroud to Gloucester Bus and Cycle Corridor</i> Cycle Corridor outline design prepared for the northern part of the route between the M5 and Gloucester, to be included in a Department for Transport bid later this financial year.</p> <ul style="list-style-type: none"> • Feasibility design was undertaken in Summer/Autumn 2022. • Bid submitted as part of the DfT Capability and Ambition Fund to secure Concept stage design costs. • Concept stage plans being developed for the entire cycle route Stroud to Gloucester with a view to submitting for a DfT Active Travel Tranche 4 bid, currently scheduled for submission in late 2022/23. • Likely the bid outcome will be announced in Spring/ Summer 2023 and if successful would allow the design to progress further.

4. Power – helping everyone convert to green power
4.1 Domestic rooftop PV scheme
Reviewing potential options with Cotswold District Council for working with a partner to deliver a pilot scheme, and with Stroud District Council for the potential for tying in with a countywide retrofit initiative.
4.2 100% renewable electricity supply
Shire Hall and Quayside House generate a portion of their own electricity and heat through solar panels and air source heat pumps. New contracts awarded for energy supply and selling contracts, which includes for supplying 100% renewable energy. Existing contract runs to September 2023.
4.3 Energy from Waste Facility – heat offtake
Annual feasibility study completed for Javelin Park Energy from Waste facility, which did not identify any immediate opportunities.
4.4 Investigate the feasibility of District Heating Networks, (Gloucestershire Royal Hospital; The Docks; Javelin Park), to deliver at least one by 2025
Javelin Park Energy from Waste Facility – see 4.3. No progress on potential projects – timeline to be revisited.
4.5 Fosse Cross HRC, 1MW PV array and battery storage
Review of financial case to be picked up in 2023/24.
5. Waste – reducing and dealing with
5.1 Quarterly behaviour change campaigns
Quarterly campaigns delivered including spring repair & reuse campaign, summer plastics campaign and autumn textiles campaign. Winter campaign will focus on reducing food waste.
5.2 Real Nappies Project
Gloucestershire Real Nappy Project issued 283 nappy vouchers in the 12 months to September 2022, with 223 vouchers redeemed.
5.3 Master Composters Project
Master Composters scheme continues to be supported – annual meeting in August, schools and Scouts demonstrations carried out over the summer. 26 schools have received compost bins to date in 2022.
6. Engagement
6.1 Climate Change Award Scheme
Not yet progressed. Timeline to be revisited.
6.2 Libraries Green Zones
<i>Green zones/Greener Together initiative</i> To date there are 2,071 books in our Greener Together collection and in just one month (July 2022) 865 of those books were issued. Total loans since start = 7,982. We have Greener Together workbooks which all libraries are completing. The Greener together workbooks are how libraries are working with staff to “green” the way the Library Service works. To date 22 of Gloucestershire’s 31 libraries all achieved the Bronze Standard. That means the library has achieved most/ all of the following: <ul style="list-style-type: none"> • Ensure that all waste is sorted and recycled where it is possible to do so. • Staff use digital alternatives for posters and signs instead of paper. • Any paper that has had only one side used is re-used as rough paper. • Collaborative team green ideas. • Monitors are turned off when staff are away from their desks and PCs turned off at the end of the day. • Fridges set between 3-5 degrees Celsius. • Hydroboils are used for all hot drinks. Where not available, kettles are only filled to the amount necessary for the number of drinks required. • Library promotes to staff and customers public transport alternatives and promotes GCC’s Cycle to Work and Bike loan schemes.

6. Engagement (continued)
6.2 Libraries Green Zones (continued)
<p><i>Green events</i></p> <p>There has been a series of Green themed events run throughout Summer 2022. 4 Theatre workshops, 2 author events, 6 Lab podcast events, 2 Eco Art events, 4 movement workshops, 1 Dance workshop and 8 practical creation workshops.</p> <p>Individual Libraries have run events including recycling workshops with waste and sustainability at Gloucester in the run-up to COP 26, the ongoing community garden project at Churchdown and their links with the local repair café, the new tree planting and wildflower meadow in the grounds of Tetbury Library. Nailsworth Library runs a regular Climate Change corner where members of the public can discuss aspects of climate change with a well-informed expert.</p> <p>From July to August, Libraries joined in with Plastic Free July, offering water refills from 22 of Libraries. We are also in discussions with other groups regarding a partnership between the Innovation Labs and the Repair Café network and exploring the possibility of providing sites for community fridges and expanding our recycling offer in Libraries.</p>
6.3 Engagement strategy
<p>Engagement Strategy produced August 2022. The strategy outlines plans for campaigns in 2022/23 and ways that we will work across Gloucestershire to reduce emissions that are outside the direct control of the Council.</p> <p><i>Greener Champions Scheme</i></p> <p>GCC Staff 'Greener Champions Scheme' underway. Launched September 2022. The scheme spreads the word about campaigns through staff networks and through customers and will foster more collaborative cross team working.</p>
7. Land use
7.1 Pittville Flood Risk Management Scheme
Sustainable Drainage System retrofits and depaving, highway infrastructure improvements and a flood storage area.
7.2 Nailsworth Flood Risk Management Scheme
Drainage infrastructure improvements to better the connectivity in the town centre. Restoration to the flood storage and stage zero channel in the Horseley Brook catchment. A sequence of cascading swales and bunds on the west with enhancements to the Sites of Specific Scientific Interest (SSSI) (habitat restoration).
7.3 Coleford Flood Risk Management Scheme
Flood storage in the upper catchment, working with developers for online storage and aiming to utilise the golf course for further flood storage on Thurstan's brook. Improvements to flood storage on the Highway drainage.
7.4 Stroud Rural Sustainable Drainage Scheme (SuDS)
New project officer in place, numerous new interventions planned alongside potential land agent / farm advisor service.
7.5 Gloucestershire Tree Strategy - increase tree canopy cover to 20% by 2030
<p><i>Severn Treescapes</i></p> <p>Severn Treescapes will create a 60-mile corridor of woodland connectivity from the Lower Wye Valley in the south to the Wyre Forest in the north. The project will be launched in November 2022.</p> <p>The aim is to expand, connect, protect and improve the woodland network; contributing to nature recovery and ecosystem services and enable the expansion of the recently reintroduced pine marten population which is dependent on habitat connectivity. It also hopes to demonstrate that woodland creation at regional scale is compatible with, and deliverable across, productive agricultural land (as 26% of the Severn Treescapes area is grade 1&2) supporting innovative approaches to forestry and the green economy. It also hopes to enhance connections between people, trees and nature. 15% of England's population is within 30 minutes' drive of the Severn Treescapes project area.</p>

7. Land use (continued)
7.6 Million Trees Challenge
<p><i>GCC Tree Planting Action Plan</i> 66,430 trees planted to date. 2022/23 in principle agreements to plant 62,239 (as of Oct 22); expecting to plant around 80,000 trees having secured additional Forestry Commission funding for trees and maintenance. We are still looking for other sites suitable for planting. Queen's canopy planting extended to cover this 2022/23 planting season. Trees for Streets initiative to increase urban tree planting launched.</p> <p><i>Network of tree wardens re-established</i> 5 Meetings to date with 20+ – 40+ attendees. 21 Registered Tree Wardens. Topics covered: Orchard trees, planting season sites and volunteering, local guest speakers and practical tree maintenance guidance.</p>
7.7 Look into <i>developing</i> a Gloucestershire carbon offsetting scheme
<p><i>Gloucestershire's Nature and Climate Fund (GNCF)</i> Gloucestershire Local Nature Partnership (GLNP) Board has signed up to an agreement on how to proceed with a carbon credit system (Woodland Carbon Code) with best environmental principles at its core. When the WCC accreditation process was reviewed, it was found that there is currently no viable business case for running a carbon credit scheme. The focus is now on establishing the biodiversity market until another viable route for carbon credit schemes becomes available. It may be worth exploring whether there is public and private sector interest in operating a mandatory carbon market within Gloucestershire. The mandatory requirement for net zero development and the rate would need to be added to Local Development Plans.</p>
7.8 Recruit Flood Risk Project Officer & funding bid
<p>GCC revenue-funded project officer to be recruited December 2022, alongside a bid to national funding for £240k capital for an initial four-year period. The permanent post will oversee, facilitate and deliver an extensive programme of natural flood management (NFM) projects and initiatives across Gloucestershire.</p>
7.9 Lydney flood risk study
<p>Study in partnership with Environment Agency into flood risk in Lydney and options modelling, including detailed study into Lakeside Avenue looking at upstream and downstream flood risk mechanisms.</p>
7.10 Bledington flood risk management
<p>Extensive partnership project including detailed modelling and options appraisal, investigating a range of potential solutions. Report to be concluded November 2022, with design work to follow. Significant funding already confirmed (GCC and external). A range of upstream NFM measures already completed. Temporary flood protection in place for winter 2022/23.</p>
7.11 Bishops Cleeve and Woodmancote flood risk management
<p>Flood risk study in partnership with water and sewage companies, Environment Agency and others. NFM interventions in upper catchment underway.</p>

Proposed Actions 2022/2023 to 2027/2028

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	
1. Putting Climate Change at the heart of decision making								
1.1	Countywide coordinated approach & action plan	1.1.1 Climate Leadership Gloucestershire membership						
		1.1.2 Seek agreement to securing independent expert advice and countywide stakeholder engagement						
		1.1.3 CN2030 Officers Group membership						
1.2	£1m Climate Change & Air Quality Action Fund	1.2.1 Investment, annual programme						
1.3	£1m energy efficiency invest to save 'Salix Fund'	1.3.1 Projects 2022/23 Promote the fund to non-academy schools and Parish & Town Councils	1.3.2 Projects, annual programme					
1.4	Recruit staff	1.4.1 Biodiversity Officer in post, 1 FTE, 2-year fixed from Nov 2022						
		1.4.2 Recruit staff funded by successful Woodland Creation Accelerator Fund: • Tree Project Support Officer, 1 FTE 2-year fixed • Tree Project Administrator, 1 FTE 2-year fixed						
		1.4.3 Approved Tree Project Support Officer and Administrator in post, 2 x 1 FTE, 2-year fixed						
1.5	Pathways to Net Zero	1.5.1 Assessment of routes to Net Zero, supported by SW Net Zero Hub (see also Transport actions 3.4, 3.21)						

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	
1. Putting Climate Change at the heart of decision making (continued)								
1.6	Carbon reduction & reporting through contracts (Scope 3 emissions)	1.6.1 Catering contracts, school meals and Shire Hall tender and award (sustainability considerations in contract)			1.6.1 Catering contracts, school meals and Shire Hall tender and award (sustainability considerations in contract)			
		1.6.2 Youth Service Support contract tender and award (see also 1.9)						
		1.6.3 Highways investigating methods to improve carbon reporting from associated works, inc through contracts						
		1.6.4 Develop and implement approach to integrating social value/ sustainability into procurement, inc carbon reporting Scope 3 provider emissions						
1.7	Stress test public sector services and assets for climate resilience	1.7.1 Update Business Continuity Management (BCM) plans						
		1.7.2 BCM testing and evaluation						
			1.7.3 BCM refresh, annual testing and evaluation					
		1.7.4 Develop Council-wide Adaptation action, linked to BCMs and CLG countywide assessment						
		1.7.5 Council ongoing membership of the Department for Environment, Food & Rural Affairs' (Defra) Local Adaptation Advisory Panel						
1.8	Circular economy	1.8.2 Catering contracts, school meals and Shire Hall - increase the use of fresh, seasonal, and local products via a robust dynamic purchasing system. The Service Provider to report progress annually.						

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
1. Putting Climate Change at the heart of decision making (continued)							
1.9	Gloucestershire Youth Climate Group	1.9.1 Develop procurement to provide longer-term external support to further develop the role of the Panel and its members.					
		1.9.2 Continued support for the Group, their activities, and their coordinators.					
				1.9.3 Develop and procure contract			
		1.9.4 Disseminate survey results from ICN Youth Climate survey into Council actions					
1.10	Carbon Literacy training, staff and members	Procure delivery programme	Programme delivery				
2. Buildings – the Council, residents, businesses, and partners							
2.1	All new developments support the move to zero carbon and improve resilience	2.1.1 Develop action plan to incorporate Building with Nature in Council development work					
2.2	New Primary School for Bishops Cleeve	2.2.1 Aim for works to start in early May 2023 to October 2024. GCC will be providing air source heat pumps (ASHP) and a significant number of photovoltaic (PV) panels.					
2.3	New Social, Emotional & Mental Health (SEMH) School, Brockworth Brook Academy	2.3.1 Upgrade roof and wall insulation. Hybrid ASHP & gas, solar PV panels to achieve 100% betterment on current building regulations, subject to planning.					
2.4	Replacement of Warden Hill Primary School	2.4.1 PV, ASHP, natural ventilation, energy efficiency improvements, external walls & roof areas will be considered as part of the design process to deliver a sustainable school in line with the Council's pledge. Installation of ASHP, and 500m ² of PV will achieve 100% betterment of current building regulations. During the design further carbon reduction features will be looked at and will add further costs. Estimated completion date February 2023.					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
2. Buildings – the Council, residents, businesses, and partners (continued)							
2.5	Belmont Special School Classroom extension	2.5.1 Fabric first approach to provide around a 30% improvement over current building regulations.					
2.7	Wyatt House, Stroud	2.7.1 Investigating options for refurbishment or disposal, including for energy efficiency, heat decarbonisation and renewable energy generation opportunities.					
2.8	Decarbonisation of buildings	2.8.1 Bid to government Public Sector Decarbonisation Scheme, Wave 4 (Council buildings) expected Spring 2023 (see 2.9.1).					
		2.8.2 Bid to government Social Housing Decarbonisation Fund (Gypsy & Traveller sites) expected Spring 2023 (see 2.9.1).					
2.9	Heat Decarbonisation Programme, subject to bid outcome	2.9.1 Heat decarbonisation bid development and plan Implementation (see 2.8.1, 2.8.2)					
2.11	Net Zero Estate	2.11.1 Develop programme for GCC properties and Gypsy and Traveller sites.					
3. Transport – carbon busting options for all							
3.1	Council Fleet Review	3.1.1 Phase 1: proof of concept, Edge of Care team					
3.2	Green fuels for non-EV vehicles	3.2.1 Investigate the business case for the use of alternative low carbon fuel sources for non-EV fleet					
3.3	Electric Vehicle (EV) Strategy	3.3.1 Install 1,000 on-street EV charging points					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
3. Transport – carbon busting options for all (continued)							
3.4	Local Transport Plan (LTP)	3.4.1 Development of Gloucestershire Transport Decarbonisation Pathways		3.4.2 Commence updates of the LTP in line with the awaited government Transport Decarbonisation Plan to make measurable carbon reductions a fundamental part of local transport planning.			
3.5	Schools Streets Programme, multi-partnership and countywide	3.5.1 Proposing an alternative use of funds to deliver a Mode shift for Schools Approach for 22-23 for priority schools. Aim to work with 12 schools this academic year.		3.5.2 Delivery of Modeshift for Schools Approach			
				3.5.3 Phase 2 of School Streets trials.			
				3.5.4 Glos. Safer Routes for School Programme			
3.6	Leckhampton, new secondary school	3.6.1 Work with partners to alleviate congestion, improve air quality and promote active travel. School open to students. ThinkTravel consulted and written into future actions.					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
3. Transport – carbon busting options for all (continued)							
3.7	Health/travel place apps	3.7.1 Assess changing travel patterns on transition back to the workplace. Love to Ride app results (2021-22) processed and used to inform future actions.					
		3.7.2 Offer travel advice, cycle training and Active Travel business grants					
3.8	Community Infrastructure Levy for Active Travel	3.8.1 Investigate how this could be applied in Gloucestershire	3.8.2 Public Rights of Way and Transport Planning bids (Stroud) funding (subject to bid approval)				
3.9	School & Workplace Travel Champions	3.9.1 Travel champions in schools and workplaces. Mobility Ways to work with 12 businesses near to the B4063 - scoping, travel surveys, personalised travel planning advice inc the carbon footprint of their commute. This includes GCC. 10 businesses have completed their survey.					
3.10	Expand Council Travel Plan	3.10.1 Results of GCC Staff Travel Survey being processed and used to build targeted actions by ThinkTravel Team.					
3.11	30% modal shift	3.11.1 Ensure 30% mode shift target is reflected and refined in the emerging transport de-carbonisation plan. 2020/21 LTP Monitoring Report published.					
3.12	West Cheltenham Transport Improvement Scheme (WCTIS)	3.12.1 See Appendix 1 for work completed. Trees will be planted adjacent to Arle Court Roundabout. Additional Hubble Road/Telstar Way Cycle Route.					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
3. Transport – carbon busting options for all (continued)							
3.13	M5 J10 Improvements Scheme	3.13.1 Planning application (Development Consent Order) Comply with the relevant planning policy, as the scheme is a Nationally Significant Infrastructure Project.					
		3.13.2 Design Fix and Environmental Statement.					
				3.13.3 Development works			
				3.13.4 Construction			
3.14	B4063 Cycle Route Gloucester to Cheltenham	3.14.1 Completion of 7 miles of new cycle infrastructure between Gloucester Docks and Arle Court Cheltenham.					
3.15	A435 Cycle Route	3.15.1 A435 Cheltenham to Bishops Cleeve cycle and walking route fully funded by the DfT currently being designed with a view to delivering in 23/24 – 24/25					
3.16	Arle Court Transport Hub	3.16.1 Provide opportunities to switch to more sustainable transport modes to central Cheltenham, railway station and hospital					
		3.16.2 Construction					
3.17	Public Transport Strategy	3.17.1 Enhanced Partnership Agreement (Council and bus operators) implementation programme.					
		Review of bus service improvement plan submitted November 2022					
3.18	Public & school transport	3.18.1 Enhanced Partnership Agreement (Council and bus operators) implementation programme wording complete ready for consultation					
		3.18.2 Review of Bus Service Improvement Plan submitted November 2022					
3.19	Air Quality Management Areas	3.19.1 Project implementation of £40k bid to government – e-cargo bike project in Cheltenham's AQMA					
3.20	Air Quality Monitoring, Reporting & Actions	3.20.1 Investigate improved air quality monitoring techniques, equipment, coverage, funding, and reporting with programme development.					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	
3. Transport – carbon busting options for all (continued)								
3.21	Develop pathways to zero tonnes per capita from transport by 2045	3.21.1 Develop the baseline and outline the potential required actions to deliver.	3.21.2 Develop detailed action plan using Department for Transport Transportation Decarbonisation Tool (in development).					
3.22	Stroud to Gloucester Bus and Cycle Corridor	3.22.1 Outline design being prepared for the northern part of the route between the M5 and Gloucester was included in a DfT bid later in Summer/Autumn 2022. Concept stage plans being developed for the entire route between Stroud and Gloucester (submission Dec 2022). Likely the bid outcome will be announced in Spring 2023 and if successful would allow the design to progress further						
4. Power – helping everyone convert to green power								
4.1	Domestic rooftop PV scheme	4.1.1 Develop business case for domestic rooftop PV in fuel poor areas						
4.2	100% renewable electricity supply	4.2.1 Renewable electricity supply under existing contract to Sep 2023.						
		4.2.3 Renewable electricity supply under the new contract						
		4.2.2 Forward buying of renewable electricity under the new contract.						
						4.2.4 Decision on whether to extend energy supply contract or re-procure		
4.3	Energy from Waste Facility – heat offtake	4.3.1 Review potential for use of heat annually						
4.4	District Heating	4.4.1 Review and refresh feasibility work to develop funding bids for Gloucester sites						

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
4. Power – helping everyone convert to green power (continued)							
4.5	Fosse Cross HRC, 1MW PV array and battery storage	4.5.1 Review financial case					
4.6	Renewable energy generation	4.6.1 Commission a new assessment of the potential for renewable energy generation across the county	4.6.2 Delivery programme development, business cases and approval to implement				
5. Waste – reducing and dealing with							
5.1	Quarterly behaviour change campaigns	5.1.1 Annual quarterly campaigns – Winter campaign will focus on reducing food waste.	5.1.2 Annual quarterly campaigns				
5.2	Real Nappies Project	5.2.1 project continued implementation	5.2.2 Annual programme				
5.3	Master Composters Project	5.3.1 Master Composters annual meeting in August, schools and Scouts demonstrations carried out over the summer	5.3.2 Annual programme				
6. Engagement							
6.1	Climate Change Award Scheme			6.1.1 Develop and promote, with annual awards			
6.2	Libraries Green Zones	6.2.1 New book stock focused on climate change and sustainability and programme of green events. Staff Green Champions network ongoing promotion of sustainable activities and events and investigating ways to make corporate activities more sustainable.					
		6.2.2 Ongoing partnership between the Innovation Labs and the Repair Café network and exploring the possibility of providing sites for community fridges and expanding the current recycling offer in Libraries.					
		6.2.3 Ongoing Greener workbooks, improving sustainability standards. Participation & host GCC campaigns and sustainability events.					
			6.2.4 Develop schools climate change engagement programme, linked to Property Service and emissions reduction programme				

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
6. Engagement (continued)							
6.3 (was 8.1)	Engagement strategy	6.3.1 Engagement Strategy published August 2022	6.3.5 Annual refresh				
		6.3.2 Staff 'Green Champions Scheme' underway.	6.3.6 Ongoing recruitment and annual programme				
		6.3.3 Develop and implement internal staff engagement					
		6.3.4 Further develop the Greener Gloucestershire communications strategy in collaboration with partners					
7. Land use							
7.1	Pittville Flood Risk Management Scheme	7.1.1 Pittville – Sustainable Drainage System (SuDS) retrofits and depaving, highway infrastructure improvements and a flood storage area.					
7.2	Nailsworth Flood Risk Management Scheme	7.2.1 Nailsworth – Drainage infrastructure improvements to better connectivity in the Town Centre. Flood storage and stage zero channel restoration in the Horseley Brook catchment. A sequence of cascading swales and bunds on the west with enhancements to the Sites of Specific Scientific Interest (habitat restoration).					
7.3	Coleford Flood Risk Management Scheme	7.3.1 Coleford – Flood storage in the upper catchment, working with developers for online storage and aiming to utilise the golf course for further flood storage on the Thurstans Brook. Flood storage on Highway drainage improvements.					
7.4	Stroud Rural Sustainable Drainage Scheme (SuDS)	7.4.1 Stroud Natural Flood Management – New project officer in place, numerous new interventions planned alongside potential land agent/ farm advisor service.					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	
7. Land use (continued)								
7.5	Gloucestershire Tree Strategy - increase tree canopy cover to 20% by 2030	7.5.1 Establish Gloucestershire tree gains/losses recording system						
		7.5.2 Phase 2 delivery of Woodland Trust bid – get significant numbers of trees planted and lay the foundations for a longer-term relationship with landholders/tenants						
		7.5.3 Phase 3 delivery of Woodland Trust bid – scaling up the approach by securing land and significant funding for tree planting, woodland creation and ongoing maintenance and support						
		7.5.4 Severn Treescapes (was 'Forest Without Frontiers'), Stage 1; linking Forest of Dean to Wyre Forest, Herefordshire, Worcestershire, and Wye Valley, estimated 160,000 new trees. Wildlife Trust bid to DEFRA 'Call to action tree fund', to support linking 2 big blocks of ancient forest woodland through a 3-counties woodland creation partnership (including Gloucestershire County Council).						
7.6	Million Trees Challenge	7.6.1 Tree Project Officer in post, two years fixed to Jan 2024						
		7.6.2 Seek approval for extending Tree Officer Post						
		7.6.3 Develop and deliver annual tree planting campaign linked to Greener Gloucestershire.						
		7.6.4 Develop funding bids to support tree planting (trees, sites, staff, etc)						
		7.6.5 Ongoing membership of local authority Million Trees club						
		7.6.6 Annual tree planting programme						
7.7	Look into developing a Gloucestershire carbon offsetting scheme	7.7.1 £100k bid to Environment Agency Investment Readiness Fund for Biodiversity Off-site & Carbon Offsetting schemes.						
		7.7.2 Establish Biodiversity Off-site Scheme and start delivering offsetting.	7.7.4 Deliver biodiversity offsetting schemes					
		7.7.3 Establish Carbon Offsetting Scheme and start delivering offsetting	7.7.5 Deliver carbon offsetting schemes					

No.	Action	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
7. Land use (continued)							
7.8	Gloucestershire Local Nature Recovery Strategy (LNRS)	7.8.1 Develop countywide LNRS, to meet government requirements (awaited)					
7.9	Batsford Estate, Moreton-in-Marsh	7.9.1 Working with the Batsford Estate, Wild Oxfordshire and the Environment Agency (EA) to carry out natural flood management (NFM) measures and land management changes across the Estate. Pilot measures will be carried out with a view to carrying out wider measures following the release of Environmental Land Management Scheme (ELMS) in 2024. Flow monitors will be installed on 02/11/2022, the first pilot measures will be installed 22/23 financial year.					



Feedback on Gloucestershire Climate Action Plan 2022 From Gloucestershire Youth Climate Group

September 2022

There has been a total of 77 young people who have had an input into this report, made up of 65 attendees from the summer 'What can I do' event and 12 GYCG Core Panel members.

These are the highlights of Gloucestershire's Youth Climate Group comments. Full comment tables will be made available on Greener Gloucestershire.



Feedback on Gloucestershire County Council's Climate Action Plan 2022

We consulted over 5 sessions with GYCG's Core Panel


We reached out to 102 young people through 5 summer events, workshops and activities on GCC's Climate Action Plan

Here's what those 102 young people said...

1. Decision Making -

All decisions made at the council will fully consider climate impact. We are supporting organisation wide initiatives that accelerate climate action including Climate Leadership Gloucestershire, Gloucestershire's Youth Climate Group, air quality improvement projects, stress testing of assets and carbon reporting in our contracts.

Climate at the




of decisions

LINK WITH OTHER SOCIAL JUSTICE ISSUES

CRITIQUE TRADITIONAL POWER STRUCTURES


COMMITMENT TO NET 0

MORE POWER TO COMMUNITY



Voice

CONNECT WITH SCHOOLS




AIR QUALITY PROJECTS

IMPROVED CLIMATE IMPACT

CARBON REPORTING

POLLUTE LESS

RESPONSIBLE CONTRACTING



PRIVATE BUSINESS ACCOUNTABILITY

Decision making

GYCG feedback	GCC response
Section 1 – Putting climate change at the heart of decision making	
1A – Working together (with partners, groups, businesses etc)	
<p>More accountabilities taken by private businesses, in their efforts to become more sustainable and put their carbon footprint on equal importance to profit. Legislation to force companies to pollute less and invest in green alternatives.</p>	<p>Gloucestershire County Council (GCC) works with local businesses, including through events such as the Journey to Net Zero event of Summer 2022, where local authorities, businesses, community groups and third sector partners gathered to consult on policy and actions in the local transport plan. Other collaborations with local businesses occur, where there is opportunity for knowledge exchange.</p> <p>The Growth Hub's Navigating Net Zero team offers support to Gloucestershire businesses every step of the way throughout their Net Zero journey. The Gloucestershire Net Zero Conference 2022 is being held in November, in partnership with The Growth Hub and Gfirst Local Enterprise Partnership (LEP).</p>
<p>Some schools are trailblazing with climate action. Efforts should be made to work with all schools, help them get on board and make a space for them to share good practice.</p>	<p>GCC works to decarbonise school buildings within our remit via the Universal Commissioning, Asset Management Property Services and the Sustainability Team. GCC is also able to network via Gloucestershire's Youth Climate Group, many of whom attend schools across Gloucestershire and are able to communicate across their respective network's messages from the group.</p>
1B – having a co-ordinated response (incorporating climate change into decision making process)	
<p>Put through motions to ensure each GCC decision has a positive impact on climate change.</p>	<p>The Sustainability team and Strategic Procurement team are working closely together to ensure that sustainability is considered within the procurement process; action 1.6.4 including to improve carbon reporting. The teams also work together in the cabinet reports assessment process to ensure social value considerations (and climate change implications) are considered as part of all Council key decisions.</p>
<p>Sustainability should be part of all GCC procurement procedures with external providers, and this should be considered when contracting all providers (providers -especially small charities might need help in working out how to measure/ report on their climate impact – there may need to be help from GCC or a standardised tool to help businesses to do so).</p>	

GYCG feedback	GCC response
Section 1 – Putting climate change at the heart of decision making	
1C – Creating Response Groups	
Put a GYCG member onto the Climate Emergency Response Group.	This has been brought to Climate Leadership Gloucestershire for consideration.
Make sure youth voice is listened to at every opportunity. Make sure youth voice is not a tick box exercise but is taken seriously.	GCC is committed to ongoing support of the Group (including funding) and are endeavouring to ensure that the Group's voices and opinions are heard and translated into the Council's climate change strategy annual updates and action plan. GCC also invites the Group to present at, and learn from, events across Gloucestershire involving sustainability.
Community involvement in response groups, not just Council staff and members.	Climate Leadership Gloucestershire is the Response Group set up to deal with the Climate Emergency. It comprises senior officers and politicians from across the public sector and Glos Local Nature Partnership to provide joined up strategic coordination of the response to the climate emergency. One of its themes is 'behaviour change', where actions are being developed to engage with and involve communities. The Council's engagement plans (Recycle for Gloucestershire and Greener Gloucestershire) increasingly involve community led responses to climate change. A recent example is the network of volunteer led Repair Cafes who worked with the Council on its Reuse and Repair campaign.
1D – Low Carbon Initiatives	
Commitment to net zero	GCC's Climate Change Strategy: By 2045 we will create a net zero county that provides quality of life now and for future generations, having improved the quality of our natural environment. By 2030, our corporate emissions will be net zero.

GYCG feedback	GCC response
Section 1 – Putting climate change at the heart of decision making	
More nature spaces/access to nature with biodiverse areas.	GCC has appointed a Biodiversity Officer who will support development of Gloucestershire’s Local Nature Resilience Strategy and is working on the land use theme of the climate change strategy. The Sustainability Team’s Tree Project Officer manages the Million Trees Project. GCC is a board member of Gloucestershire Local Nature Partnership, and a member and core funder of Climate Leadership Gloucestershire, which seeks to coordinate meaningful action across the public sector, including on biodiversity.
1E - Testing public assets for climate vulnerability – no comments	
Other comments/not covered in CAP	
Critique of traditional power structures	GCC is developing its adaptation strategy, which will be linked to the countywide climate resilience assessment through Climate Leadership Gloucestershire. The Climate Leadership Gloucestershire groups seeks broad membership from a variety of public sector bodies and is committed to consulting widely on its future actions.
Intersectional view when tackling climate change (with other social justice issues)	GCC’s approach is led by the Sustainability Team, where climate change is part of the wider sustainability agenda, including social justice. GCC is committed to delivering social value through its procurement of goods and services.
More power in the hands of communities and spread information about community consultations.	GCC promotes opportunities to engage in consultations through social media. The Sustainability Team has developed its Engagement Strategy to raise awareness and empower individuals, communities and business to make a real contribution to reducing emissions, improving resilience to climate change and being more sustainable.

2. Buildings -

Projects will reduce the impact of emissions from new and existing buildings. We are creating new guidance around 'Building with Nature' standards, investing in new carbon neutral school buildings and retrofitting to decarbonise existing buildings.

housing

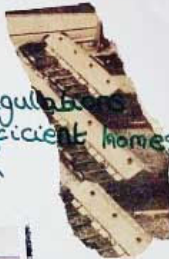
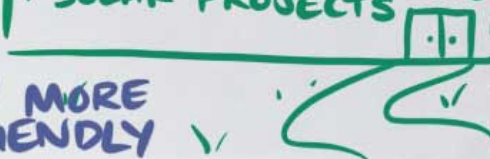
New Laws / regulations for energy efficient homes - insulation



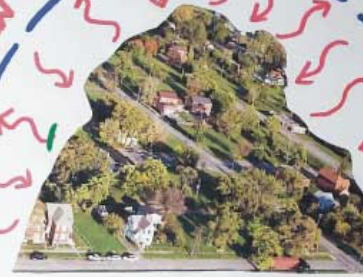
Holding Landlords to account

CREATE AN AWARENESS GUIDE TO HELP LANDLORDS BUSINESSES + HOME OWNERS MAKE THEIR PROPERTY MORE ECO-FRIENDLY

LIVING WALLS / USING ROOF SPACE FOR GARDENS + SOLAR PROJECTS



ENSURE ALL NEW BUILDS ARE AS ENERGY EFFICIENT AS POSSIBLE



ABOLISH LANDLORDS

AFFORDABLE ACCESS TO HOUSING IS A BIG ISSUE FOR YOUNG PEOPLE

10 MIN NEIGHBOURHOODS EVERYTHING YOU NEED



Town B

Town A

Town C

SUBSIDISE RETROFITTING

Buildings

GYCG feedback	GCC response
Section 2 – Buildings	
2a – Creating Net Zero Buildings	
<p>Allow listed buildings to be made more energy efficient and have adaptations to help make them more sustainable.</p>	<p>National Planning Policy states that listed buildings need special applications for modifications, however this does not mean that no amendments can be made. District councils are the local planning authorities, with local development plans, policies and enforcement. There is a lot of guidance for retrofit on historical buildings.</p>
<p>Make all new homes sustainable, insulated, and efficient - provide affordable housing.</p>	<p>Housing development standards are set by central government under the National Planning Policy Framework, which district councils are responsible for implementing through their local development plans. While construction industries are not obliged to build things sustainably while commissioned privately, GCC’s internal sustainable procurement development means that more GCC-commissioned work will include sustainability (see Greener Gloucestershire case studies), and our partnership with local businesses means that knowledge exchange and encouragement between organisations can occur on this subject.</p>
<p>Living walls/using roof space for gardens/solar projects.</p>	<p>This is a very good suggestion, and we would like the help of GYCG to encourage this action.</p> <ul style="list-style-type: none"> • Solar projects – See Greener Gloucestershire case studies • Living walls – Shire Hall has a living wall in one of its communal hubs and would like to encourage this initiative elsewhere.

GYCG feedback	GCC response
Section 2 – Buildings	
2a – Creating Net Zero Buildings (Continued)	
<p>Subsidise retrofitting internally and externally - insulation and making use of space – build upwards not outwards.</p>	<p>Warm and Well is managed by Severn Wye Energy Agency on behalf of the seven local authorities in South Gloucestershire and Gloucestershire, and includes GCC’s Public Health service and NHS Gloucestershire Clinical Commissioning Group. It offers energy efficiency advice to householders and also administers grant funding on behalf of the local authorities and other funders. Since the scheme began in 2001 it has offered energy efficiency advice and has supported the installation of over 60,000 measures. These have included loft insulation, cavity wall insulation, boilers, heating systems, solar photovoltaics and solid wall insulation.</p> <p>Climate Leadership Gloucestershire is seeking to address the retrofit of domestic housing, led by Stroud District Council with GCC as a partner.</p> <p>GCC’s seeks to demonstrate climate leadership through the actions for buildings:</p> <ul style="list-style-type: none"> • Work with our partners to ensure that all new public buildings and residential and commercial developments support the move to zero carbon and improve resilience. • Work with our partners to aim for all new development sites to deliver high quality green infrastructure in line with the ‘Building with Nature’ (BWN) standards, developed by Glos Wildlife Trust.
<p>Awareness campaign and guides– a guide on how tenants/consumers/staff can approach property/business owners about making changes and for landlords on schemes they can access to make their properties eco-friendlier.</p>	
2b – Exploring Energy Recovery Technology	
<p>Adopting insulate Britain framework</p>	<p>Warm and Well – Greener Gloucestershire, as above.</p>

GYCG feedback	GCC response
Section 2 – Buildings	
Other comments/not covered in CAP	
Landlords owning lots of properties making it difficult and expensive for people to own their own home – linking to ability to make homes energy efficient as well as access to housing, especially for young people.	Some aspects are beyond the scope of this strategy. However, energy efficient housing will be considered by Climate Leadership Gloucestershire under its land use planning theme and retrofit themes.
Use old buildings and brown belt sites to build on, not the green belt.	This the responsibility of district councils through their local development plans, which GCC works with to help deliver appropriate infrastructure.

3. Transport -

Work to reduce the impact of emissions from transport in the county.
We are installing 1,000 electric vehicle charge points, carrying out West Cheltenham & Arle Court cycleway and pavement improvements, connecting Gloucester to Cheltenham with a new dedicated cycle route and carrying out projects to improve air quality in management areas.

GLOS CYCLE SPINE

ON TIME

AIR QUALITY

1000 CHARGING POINTS

IMPROVING ACCESSIBILITY

TRAVEL in A way which respects NATURE

RELIABLE

Access to bikes for exercise

ELECTRIC VEHICLES NOT AFFORDABLE FOR YOUNG PEOPLE YET.

PUBLIC TRANSPORT IS MAIN FOCUS FOR YOUNG PEOPLE

- IMPROVE INFRASTRUCTURE
- IMPROVE RELIABILITY
- LACK OF PUBLIC TRANSPORT IN RURAL AREAS
- FEELING UNSAFE USING PUBLIC TRANSPORT (ESPECIALLY FOR THOSE FROM MARGINALISED COMMUNITIES)

YOUNG PEOPLE WANT TO CYCLE BUT DON'T FEEL SAFE

BAD

USA ROAD TRIP

Transport

GYCG feedback	GCC response
Section 3 – Transport	
3A – Local Transport Plan	
Public transport in the county is poor and people don't use it, make improvements and maybe more people will use it.	Acknowledge difficulties this year, including with Stagecoach our provider, and the challenges of providing public transport in rural areas. Transport Operations and Transport Planning teams work to ensure consistent public transport with the providers, and fulfilling Gloucestershire's Local Transport Plan (Avoid, Shift, Improve). GCC has recently launched its £1.35 million rural minibus pilot, called The Robin, to make a new offer of transport in two of the county's most rural areas. The Robin will provide on-demand services that will fill a gap where there is no bus provision, complementing existing services. Residents can book affordable journeys via an app or over the phone. The service will provide a link from bus stops in hamlets or village centres to local transport hubs and train stations, making existing public transport services more accessible.
Reliability and consistency are crucial as people can't switch fully to public transport if it is only reliable 50-90% of the time.	
Pricing needs to be fairer and cheaper to get people to use it more often.	GCC subsidises a number of less commercially viable routes – details outstanding from Public Transport team (ITU).
It needs to be made easier and more convenient to get from A to B using a mixture of public and active transport, buses and train times need to link, take bikes on buses, have more safe bike racks, later buses.	Improvements to local active travel infrastructure. GCC was awarded £14,127,413 in Spring 2022 for the delivery of Cheltenham to Bishops Cleeve Cycleway and Gloucester Cycle Spine, which secures the full funding to deliver both Active Travel Schemes that will form part of the GCC's 26-mile Sustainable Travel Corridor between Stroud and Bishops Cleeve. This, in addition to other projects, should help with countywide connectivity.
People need to feel safe using public and active transport – we need to put in more measures to help this.	We will explore this further with the Council's Traffic & Transport service

GYCG feedback	GCC response
Section 3 – Transport	
Better information sharing across public transport to customers – apps and websites need to be more user friendly.	We will explore this further with the Council's Traffic & Transport service
3B – Electric vehicle charging points roll out	
<p>This hasn't been identified/noted as a priority by young people. We have had a specific conversation with the GYCG core panel about this. Reaction was:</p> <ul style="list-style-type: none"> • YP can't afford electric cars • Won't be a priority for most people until second hand electric car market is there – most people can't afford an electric car. • Better availability of electric car charging points – they need to be well maintained. 	<p>Charge points – The groundwork and planning stages of the rollout of 1,000 charge points are underway. These are distributed in multi-use areas, and in areas with the highest concentration of people. Consultations with various groups took place to decide these locations.</p> <p>The Council is working with Zwings to provide e-scooters – check re age and driving licence restrictions</p>

4. Power -

Initiatives to reduce the impact of emissions from energy use and generation. We are investigating heat offtake systems and district heating networks, facilitating all power in Council buildings to be renewable by 2023 and investigating solar photovoltaic projects in the county.

redefining "power"
Equality
Heat Sharing
Learn from Bristol
More CAREERS in Sustainable Energy

UTILISE UNTAPPED AREAS
e.g. TOP OF BUILDINGS

ROOF GARDENS

SOLAR PANELS

INVEST IN ECO FRIENDLY POWER CAREERS

CHANGE Opinions on WINDTURBINES

USE RENEWABLE ENERGY IN PUBLIC BUILDINGS

The poster is a hand-drawn collage of ideas for sustainable energy. At the top left, the title '4. Power -' is written in red. Below it, a block of text describes initiatives to reduce emissions and investigate heat offtake systems. To the right, the phrase 'UTILISE UNTAPPED AREAS e.g. TOP OF BUILDINGS' is written in red and blue. Below this, there are two drawings of buildings: the first has green plants on its roof labeled 'ROOF GARDENS', and the second has yellow solar panels labeled 'SOLAR PANELS'. In the center, a yellow sun is labeled 'Solar' with an arrow pointing to a blue grid representing solar panels. To the left of the sun, the words 'redefining "power"', 'Equality', 'Heat Sharing', and 'Learn from Bristol' are written in various colors. Below the sun, there are three green wind turbines and the text 'CHANGE Opinions on WINDTURBINES'. To the right of the turbines, it says 'More CAREERS in Sustainable Energy'. At the bottom right, there is a drawing of a library building with a sun above it, and the text 'USE RENEWABLE ENERGY IN PUBLIC BUILDINGS'. At the bottom left, there is a photograph of a group of people standing on a rooftop solar panel array.

Power

GYCG feedback	GCC response
Section 4 – Power	
4a – Renewable energy for public assets	
Switch Council buildings to fully renewable energy powered.	GCC's electricity supply is from 100% renewable energy. GCC also has Air Source Heat Pumps and Solar Panels to supplement energy consumption.
Investigate green tariffs.	Shire Hall and Quayside House generate a portion of their own electricity and heat through solar panels and air source heat pumps. New contracts awarded for energy supply and selling contracts, which includes for supplying 100% renewable energy. Existing contract runs to September 2023.
What are the advantages of solar over wind power? We should be utilising wind power as the UK is one of the best locations for harnessing this energy in the world, and yet it is massively underutilised in favour of solar power.	Planning for renewable energy is governed by government's National Policy Planning Framework, which currently makes securing planning approval for onshore wind very difficult to secure. However, government has recently signalled a change to this. Gloucestershire has several private wind parks across the county.
4b – Potential for district heating networks – investigate feasibility – no comments made	

5. Waste -

Waste will be reduced and 70% of household waste will be recycled by 2035. We run waste reduction projects including subsidised cloth nappies, composting equipment and provide advice via our Master Composters, power 25,000 homes by converting non-recyclable waste to energy and are developing reuse shop options at Household Recycling Centres.


STANDARDISE RECYCLING

ACROSS GLOUCESTERSHIRE

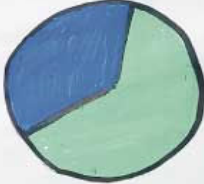
MAKE IT EASY FOR PEOPLE!

• FOCUS ON 3 R'S
REDUCE RE-USE RECYCLE

Repair




SUBSIDISED NAPPIES

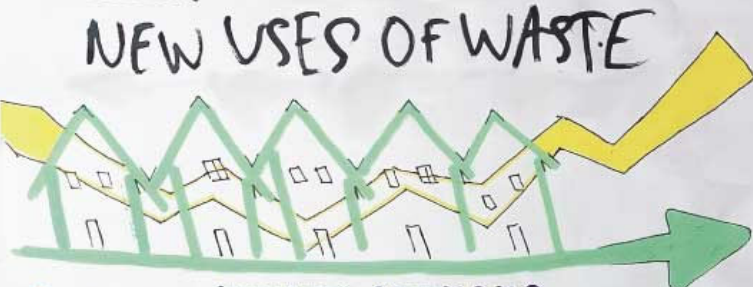


70% HOUSEHOLD WASTE RECYCLED BY 2030

BUT RECYCLING SHOULD NOT BE FOCUS OF COMBATting CLIMATE CHANGE



NEW USES OF WASTE



25K

HOMES POWERED BY CONVERTING WASTE TO ENERGY

MOVE AWAY FROM MASS CONSUMPTION

COMMUNITY SHARING

REPAIR CAFES

DONATION + REUSING

SHIPPING OFF RECYCLING TO OTHER COUNTRIES IS A PROBLEM.

WHAT IMPACT DOES THIS HAVE?

HOW MUCH ACTUALLY IS RECYCLED?

Waste

GYCG feedback	GCC response
Section 5 – Waste	
5A – Generating electricity from the waste at Javelin Park - no comments	
5B – Waste Campaigns	
Focus more on the R's – reduce, reuse, recycle	GCC's Waste Team works with district councils to ensure the county reduce, reuse, repair, recycle the waste. See Gloucestershire Recycles website for waste campaigns to encourage behaviour change around.
Make recycling in the county more standardised and easier to understand.	A lot of this is based on district contracts and what their local waste facilities accept, however, GCC and the district councils continue to work together through the Gloucestershire Resources and Waste Partnership to deliver comprehensive recycling systems that are easy for residents to use
Other/not covered in CAP	
Not always clear what contaminates your recycling and makes it 'not acceptable' - more awareness that this is being done.	GCC's Waste Team has campaigns and newsletters to raise local awareness. See Gloucestershire Recycles pages for what can be recycled.
Don't focus on recycling to combat climate change.	That is a good point. Gloucestershire's climate change strategy has a theme of Waste, however the other 6 are dedicated to other aspects of combatting climate change. Waste reduction and reuse are promoted above recycling within the Council's communication and engagement campaigns.
More funding for different types of recycling and cohesive approach across the county – there's a large disparity between Districts in what can be recycled.	GCC and the district councils continue to work together through the Gloucestershire Resources and Waste Partnership to explore ways in which our recycling systems can be more consistent and easy to use.

6. Engagement

The council is directly responsible for around 3% of Gloucestershire's emissions but can influence up to 30% through our links to the community. We run two campaigns per quarter focussed on actions residents can take to reduce their environmental impact, libraries are creating greener together zones to increase access to sustainable literature, staff champions are spreading sustainability messages through communities.

MORE VOICES

Pressure Politics
The more local branches of national environmental organisations expand this side of their work, the more support they will be able to build up locally for their campaigns on national environmental issues. Which brings me to the second assumption of the ecopoliticians, that only an electoral shock, if that, will make the existing parties 'think green'. The truth is, there is just not enough grassroots support for environmental policies to justify politicians taking much notice of them, unless they want to. So back

GREEN choices should be easy!

Sharing → Information

Ideas

USE LIBRARIES AS COMMUNITY SPACES TO ORGANISE CLIMATE ACTION

FOCUS ON POSITIVE SOLUTIONS

WE NEED A WHOLE SOCIETAL SHIFT NOT JUST LOWER EMISSIONS

REDUCING PERSONAL IMPACT

TARGETED CAMPAIGNS

SUSTAINABLE LITERATURE

COMMUNITY CHAMPIONS

30% SOCIAL IMPACT
3% OF EMISSIONS

Engagement

GYCG feedback	GCC response
Section 6 – Engagement	
6a – Introducing Library Green Zones	
Library is a good place to hold an event/put up posters. Good place to reach a lot of different people.	We work with libraries to spread the word of our campaigns, host events and even have dedicated sustainability sections with climate change focussed books.
Link initiative with other local charities to involve more community groups.	Libraries work with local groups on events and initiatives, in their role as community hubs.
Merge with ‘summer reading challenge’ – to get kids reading books and incorporating into those displays – have climate as a theme.	Suggestion will be passed to Library Services for consideration.
The GYCG would like to collaborate more on this initiative and want to know what books are being included/what opportunities there are.	We will make this suggestion to GCC’s Library Service
6b – Communications Campaign (culture change)	
Work with communities, go out to those that are not communicated with, communicate and consult in ways that’s work for them, building stronger communities to help tackle climate change together.	Special services for sight impaired, disabled, young people and children, elderly people, and virtual services for those who cannot leave their homes, among other services. GCC has developed a climate change Engagement Strategy to help address this issue.
Link climate and cost of living crisis – there are double benefits of being eco-friendly and will help reach the communities that are seldom heard.	Absolutely, and forms part of our climate change engagement campaigns, including the recent [clothing donations for interview scheme summary]
6c – awards programme (for sustainability) - no comments made	

7. Land Use -

We will use land in a more environmentally-sustainable way to become more climate resilient. We are increasing flood resilience, planting trees to offset carbon, funding the Local Nature Partnership, supporting Biodiversity Net Gain and recruiting a Biodiversity Officer to implement the Local Nature Recovery Strategy in Gloucestershire.

SUPPORTING BIODIVERSITY

FIXING URBAN AREAS

FLOOD RESILIENCE

CARBON OFFSETTING

MORE GREEN AREAS

IN LIVING SPACES

PLANT A MILLION TREES

MORE LAND FOR CONSERVATION

Land use

GYCG feedback	GCC response
Section 7 – Land Use	
7A – Investigating potential for carbon offsetting in Gloucestershire	
Put more green infrastructure and spaces into our communities; public growing projects, allotments, urban gardening, greening cities – take every opportunity to incorporate innovative green spaces everywhere.	Building with Nature, green infrastructure, Million Trees Challenge and carbon offsetting scheme are all actions detailed in GCC’s Climate Change Strategy focussing on improving, diversifying and/or expanding green spaces. More focus on this will be sought throughout the plan.
7B – Fulfilling the million trees challenge	
GYCG members have offered to help do some planting as well as young people from the summer ‘What can I do?’ event.	Young people have been invited to attend the tree planting sessions and GCC will continue to encourage and help to enable this.
Other/ not in CAP	
Land should be free to roam for all travellers, etc.	This is determined by UK law. There are four GCC-owned Gypsy and Traveller sites across Gloucestershire. GCC is working to improve the quality of onsite communal facilities, including energy efficiency and renewable heat using air source heat pumps.

**Illustrated feedback
created by Gloucestershire
Youth Climate group with
artist Luna Lotus.**

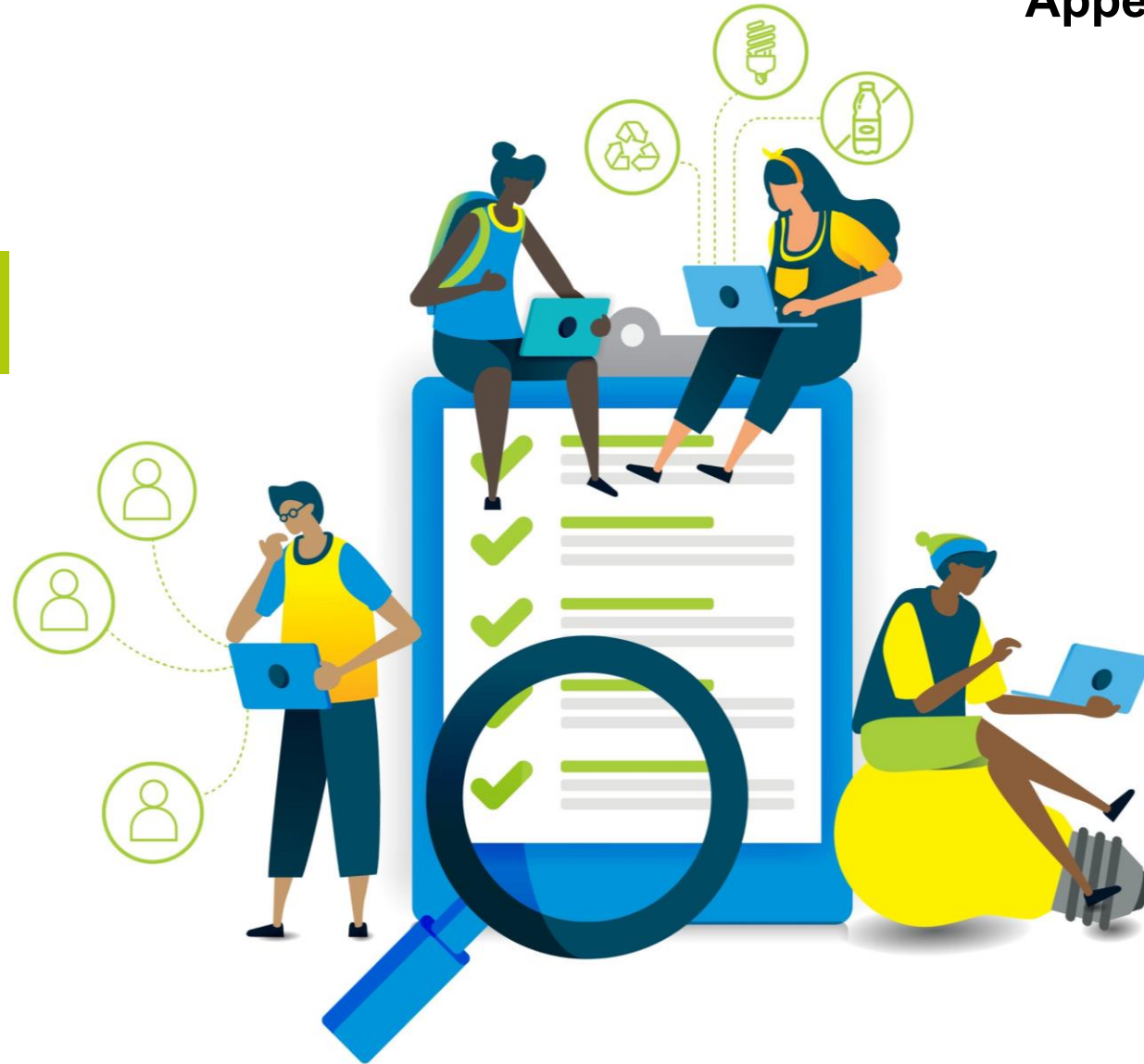


www.lunalotus.co.uk

INSIGHT REPORT 2022

CLIMATE ACTION SURVEY

Gloucestershire



Interclimate.org.uk

 @InterClimate

Copyright (c) InterClimate Network 2020. InterClimate Network is the brand and trading style of InterClimate Trust. Charity no. 1100981 | Company No 6687734

Supported by:



A PROJECT BY



What's it all about?



Contents

Key findings

3

Introduction

4

Who participated?

6

Part 1: Key insights

8

This section sets out the analysis for our top survey insights.

Part 2: Dive into the data

17

Here we dive deeper into the data, further uncovering what young people think and do around the climate crisis.

Across Gloucestershire, between July and October 2022, **InterClimate Network (ICN)** ran their online Climate Action Survey, which has been designed to capture the views, behaviours and motivations of 11–25-year-olds around the climate crisis.

The survey was run in partnership with **Gloucestershire Youth Climate Group**, **Creative Sustainability**, **Planet Cheltenham** and **Gloucestershire Wildlife Trust**. To maximise awareness and ensure that everyone had the opportunity to take part the survey was publicised via partner websites, schools, press releases, social media and through a [youth-led promotional video](#).

This report, written by ICN, presents the findings and implications from this research, which saw a high return rate of almost 3,000 young people aged 11 to 25.

ICN and partners want to share the findings to be of use to the many others who are trying to reduce emissions and mobilise greater climate action among young people. Importantly, we are working with **Gloucestershire County Council (GCC)** so that youth voices are heard and positively influence their [Climate Change Strategy](#).

“...The council is committed to listening to the thoughts and opinions of Gloucestershire’s young people on this important issue [climate change], not least because it is their generation that will have to live with the consequences of our changing climate and benefit from our actions to address the emergency. The InterClimate Network’s Survey is an exciting opportunity for our younger residents to share their opinions and help us shape our work on creating a Greener Gloucestershire.”

David Gray, Cabinet member responsible for the environment at Gloucestershire County Council

Key findings from Gloucestershire's Youth Climate Action Survey, 2022

Appendix 4

InterClimate Network, working with Gloucestershire Youth Climate Group, Creative Sustainability, Planet Cheltenham and Gloucestershire Wildlife Trust, conducted research to learn more about how 11 to 25 year olds think, feel and act in relation to the climate crisis. Here is a summary of the views of nearly 3,000 young people who responded from schools and communities across Gloucestershire. The full report will inform and positively influence Gloucestershire County Council's [Climate Change Strategy](#).

More than **8/10** young people are concerned about climate change.

- 78% said climate change will affect their life in the future.
- Causing less damage to the environment is one of the top four priorities for young people.

86% young people support council action on climate change, 11% were unsure and only 3% were against.

3 in 4 young people are already choosing to act on climate change. Most action is taking place at home. Yet action at home is not always translating to action in school or the wider community.

Top 5 actions likely to gain further support

-  Reduce energy use
-  Improve travel and transport
-  Think about the impact of what we buy and use
-  Reduce use, reuse and recycle
-  Help protect and improve nature

Who inspires action?



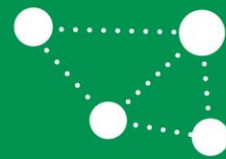
Schools provide the most trusted and inspiring source of information on climate change.



Working together is a strong motivator for youth climate action.



Families having a significant influence on involvement.



Young people want more joined-up action

- 1 Young people recognise that **systemic change** is needed alongside individual action to make a meaningful difference.
- 2 Young people saw the Government as having the most power to make a difference, but are the least representative. Many are looking for **more national level leadership on climate action**.
- 3 There are strong feelings that **responsibility** and action need to be **shared fairly** across society.

Young people can be enabled to take more climate action by ensuring they have:



Enough **opportunity** to carry out action



A **supportive community** of action



Knowledge about actions and their impact



The **motivation to feel positive** that individual action can make a difference.

3 key motivators for action



Install more equipment that make it easier to undertake action.



Track results and showcase the positive impact of actions.



Rewards and competitions to encourage action.

A project by:



In partnership with:



Supported by:



Introduction to the Climate Action Survey

Background to the project

Combatting climate change is the most important challenge confronting the world today. The adverse impacts of climate change will disproportionately fall on the socially disadvantaged. The burden of changing lifestyles to mitigate and adapt to climate change, and its social consequences, will especially impact the adult lives of today's school students. Giving them a voice, understanding their concerns, and helping to empower them to act is essential in this 'decisive decade' for carbon emissions reduction.

Climate Action Survey: design and delivery

To help understand how best to support youth climate action InterClimate Network developed an online survey informed by behavioural science.

The survey was developed with school students' input, research from sociology students at the **University of Gloucestershire**, and expertise and contextual input from the research firms **GlobeScan** and **Humankind Research**.

The survey allows schools and lead students to understand peers' views on climate change and the enablers and barriers to climate action. With the help of our experienced team these bespoke insights help students to create a tailored plan to motivate their school community to engage in targeted and impactful climate action.

The survey was piloted in 2021 with the support of the **Joseph Rowntree Charitable Trust**. Funding in 2022 is enabling an updated survey to be run across 20 UK schools. As part of this, we have trialled a county-wide partnership approach in Gloucestershire. We are thankful to all the partners (see overleaf) and the students and teachers at the following schools who enabled so many responses: **Balcarras School, Chosen Hill School, Churchdown School Academy, Cleeve School, Katharine Lady Berkeley's School and Stroud High School**.

Over 13,500 young people across the UK have responded so far to the Climate Action Survey between 2021 and 2022. A national report will be written in early 2023, building on from our [Youth Climate Action Research Report 2021](#). The report will provide insights from across the schools as a valuable resource for teachers, students and other stakeholders working with young people.



Gloucestershire partnership



InterClimate Network (ICN)

ICN is a registered charity with a mission to inspire young people in the UK to become leaders and advocates for action on climate change. We do this by working collaboratively to deliver programmes that engage young people (primarily aged 11 to 18) with the complexities of climate change, inspire and encourage their climate action, and promote their voices in their own sustainable future.

www.interclimate.org

Contact us at info@interclimate.org or [@InterClimate](https://www.instagram.com/interclimate)



Creative Sustainability

Creative Sustainability is based on the values of inclusion, empowerment and sustainability. Our focus is on ensuring the youth voice is at the heart of conversation around climate change in Gloucestershire. Creative Sustainability manage the Gloucestershire Youth Climate Group, funded by Gloucestershire County Council. www.cscic.org



Gloucestershire Youth Climate Group

The Gloucestershire Youth Climate Group (GYCG) are 15-25 year olds who come together to take action on climate change issues. They undertake projects to make a positive impact for a low carbon and resilient Gloucestershire that reduces inequities and centres the needs of people and the environment.



Planet Cheltenham

Planet Cheltenham is a community climate solutions hub. Our aim is to connect residents to community initiatives that help tackle climate change, fight social inequality and build a sustainable, resilient future for our town. We run several projects that connect citizens on climate, including the Youth Climate Group, Little Planet Cheltenham baby and toddler group, sustainability professional meet-ups and energy workshops. www.planetcheltenham.org

Twitter [@PlanetChelt](https://twitter.com/PlanetChelt) Instagram [@planetcheltenhaminsta](https://www.instagram.com/planetcheltenhaminsta)



Gloucestershire Wildlife Trust

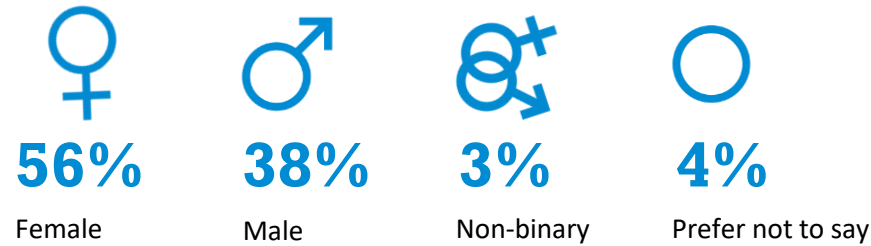
Gloucestershire Wildlife Trust (GWT) works closely with local communities, landowners and partners to deliver conservation work across more than 1000 hectares of nature reserves, and within the wider landscape of Gloucestershire. GWT's Youth Advisory Group (YAG) are 16-25 year olds who advise GWT's staff and Board on how to further engage young people with their varied work.

www.gloucestershirowildlifetrust.co.uk

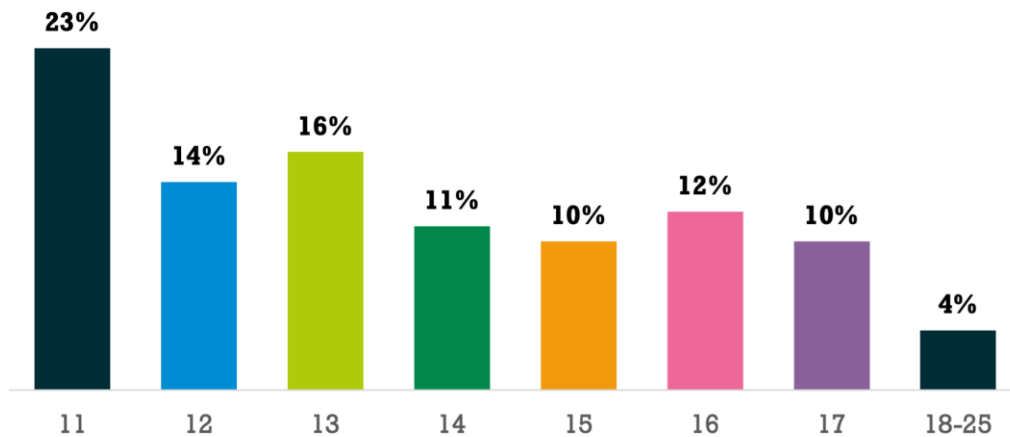
Who participated?

In total, 2778 young people responded to the Climate Action Survey. Of the respondents 95% were in school or college, 2% were in Higher Education and 3% were not in education or training. All age and gender groups were represented, though there were notably more younger and female respondents. There was a reflective representation of ethnicity according to census breakdown.*

Gender Breakdown

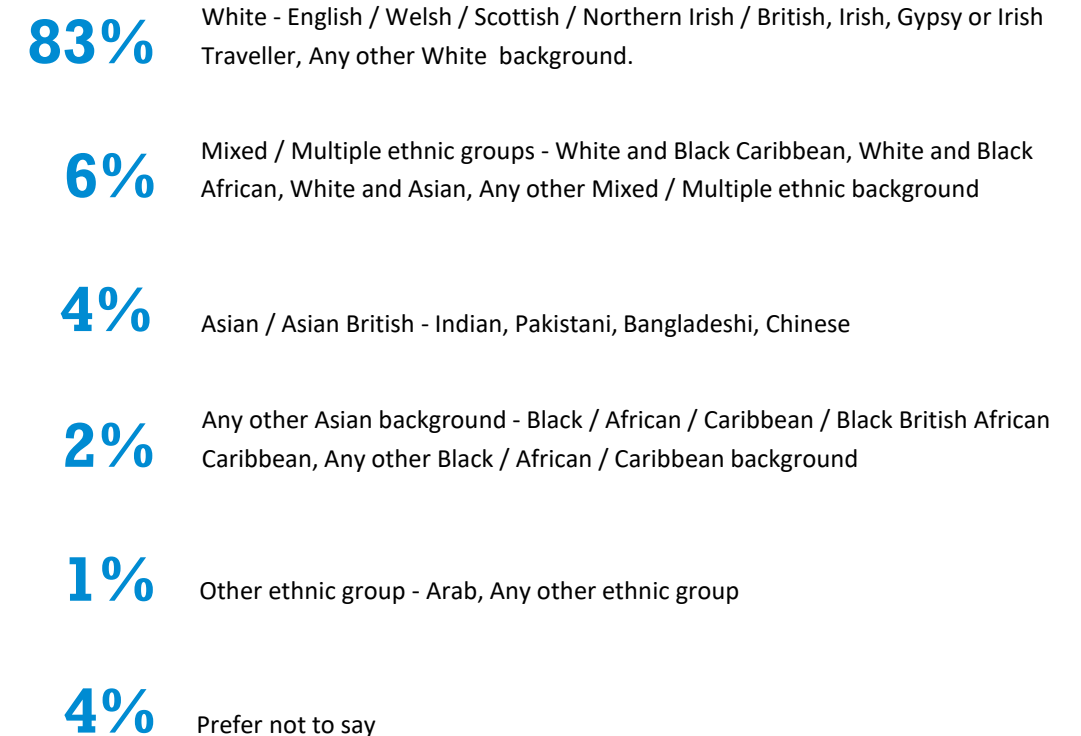


Age breakdown



*Other genders reported included: agender, genderflux, and transgender. A number of students identified as gender fluid.

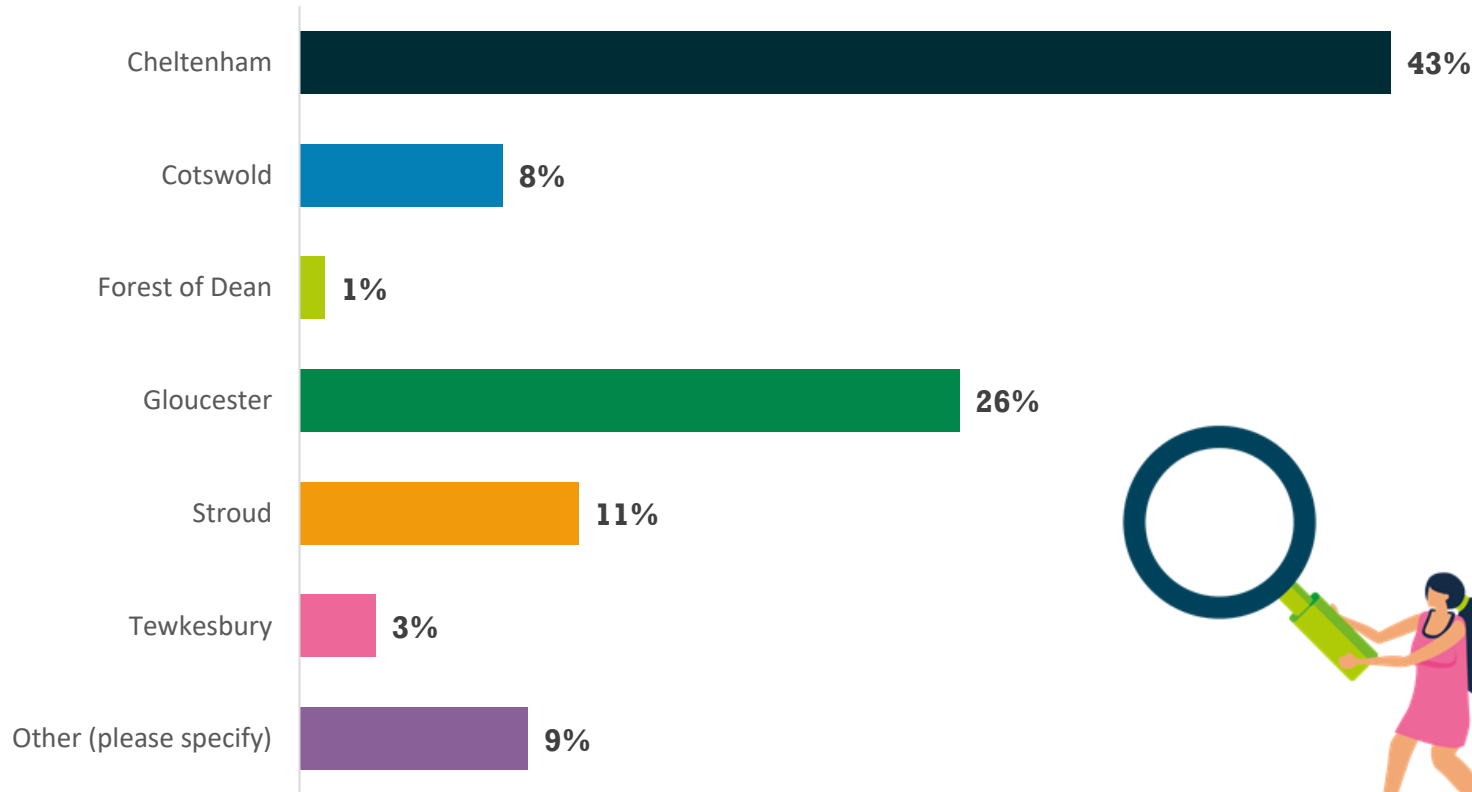
Ethnicity breakdown



*Census population by ethnic group for 0 – 19 year olds across Gloucestershire: 92% White, 3.6% Mixed / Multiple ethnic groups, 2.8% Asian/Asian British, 1% Black/African/Caribbean/Black British, 0.2% Other ethnic group

Continued.... Who participated?

Area breakdown



**Other areas included: Bishop's Cleeve (multiple), Brockworth (multiple), Cam/Dursley, Cirencester (multiple), Chalford Hill, Charfield, Chedworth, Churchdown (multiple), Cleeve Hill, Coopers Edge (multiple), Dursley, Hucclecote (multiple), Innsworth (multiple), Kemble (multiple), Longford, Longlevens (multiple), Minchinhampton (multiple), Nailsworth (multiple), Newent, Painswick, Prestbury, Stonehouse (multiple), Stoke Orchard, Twigworth, Tytherington, Quedgeley, Winchcombe (multiple), Woodmancote, border between Gloucester and Stroud, in the middle of nowhere, Barkley with my dad and Matson with my mum, Prefer not to say*

Part 1

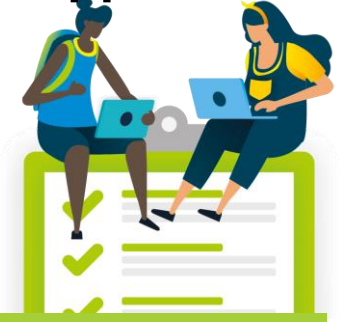
Key insights

In this section we set out the analysis for our top insights from the Climate Action Survey.

Young people across Gloucestershire....

- support council action
- see climate change as a threat
- want more joined-up action
- are willing to act on climate change
- welcome inspiration and support
- believe schools can make action happen.

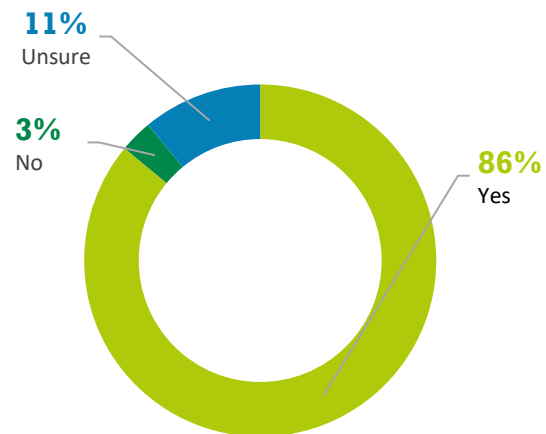




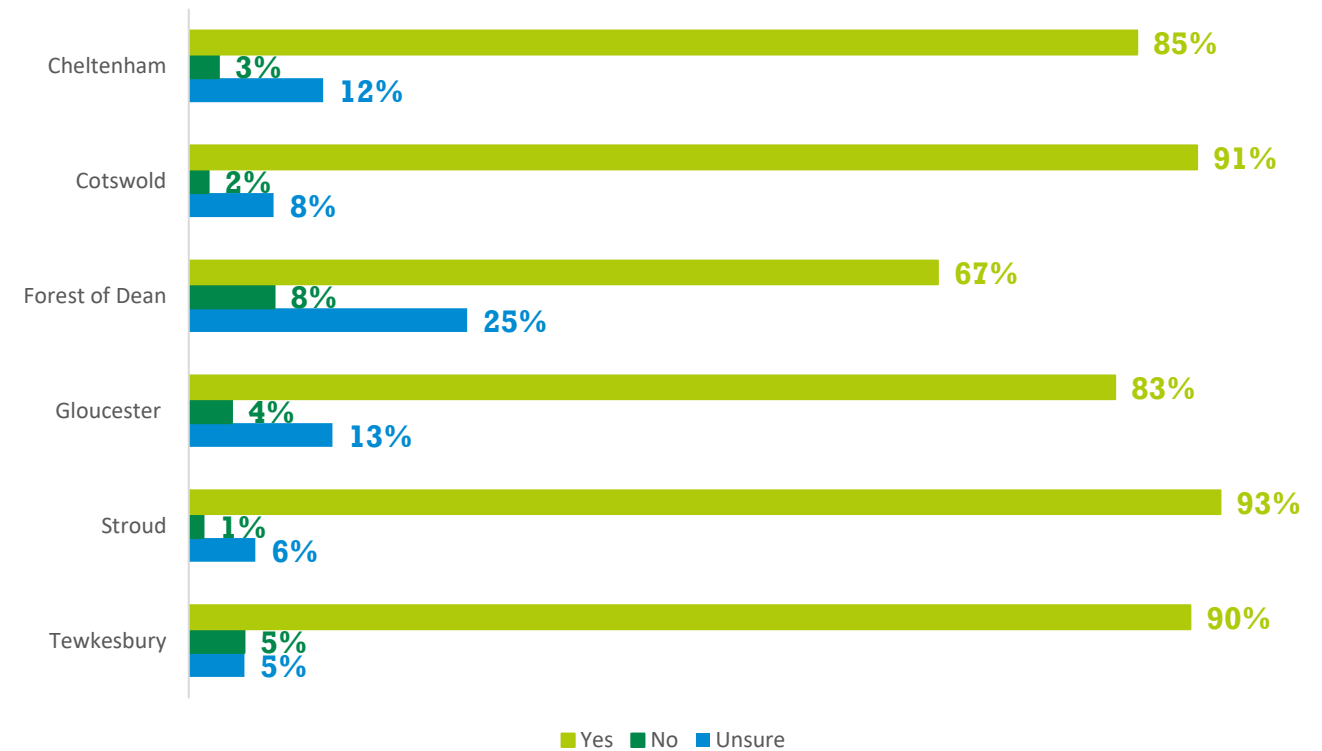
1. Young people support council action

Over 8 in 10 young people (86%) think Gloucestershire County Council, and the local councils, should take action on climate change, 11% were unsure and only 3% were against. There was little difference between respondents according to their gender* or age**.

Do young people think Gloucestershire County Council, and the local councils, should take action on climate change?



Responses by council area



*Female (Yes: 87%, No: 2%, Unsure: 11%), Male (Yes: 83%, No: 5%, Unsure: 12%) and Non-binary (Yes: 86%, No: 4%, Unsure: 10%)

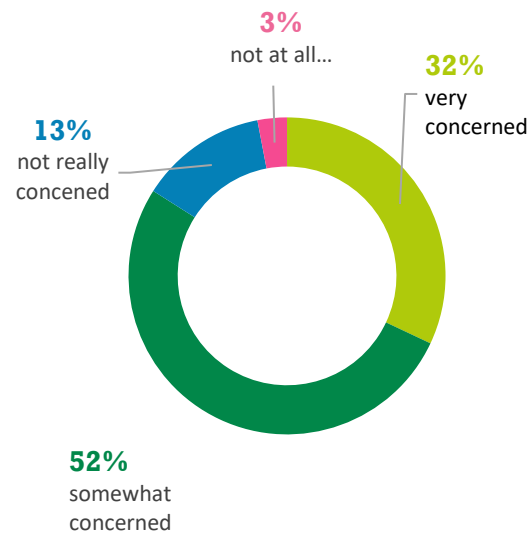
** 11 years old: 87% 'yes', 12: 83%. 13: 80%, 14: 84%, 15: 86%, 16: 88%, 17: 91%, 18 – 25: 87%



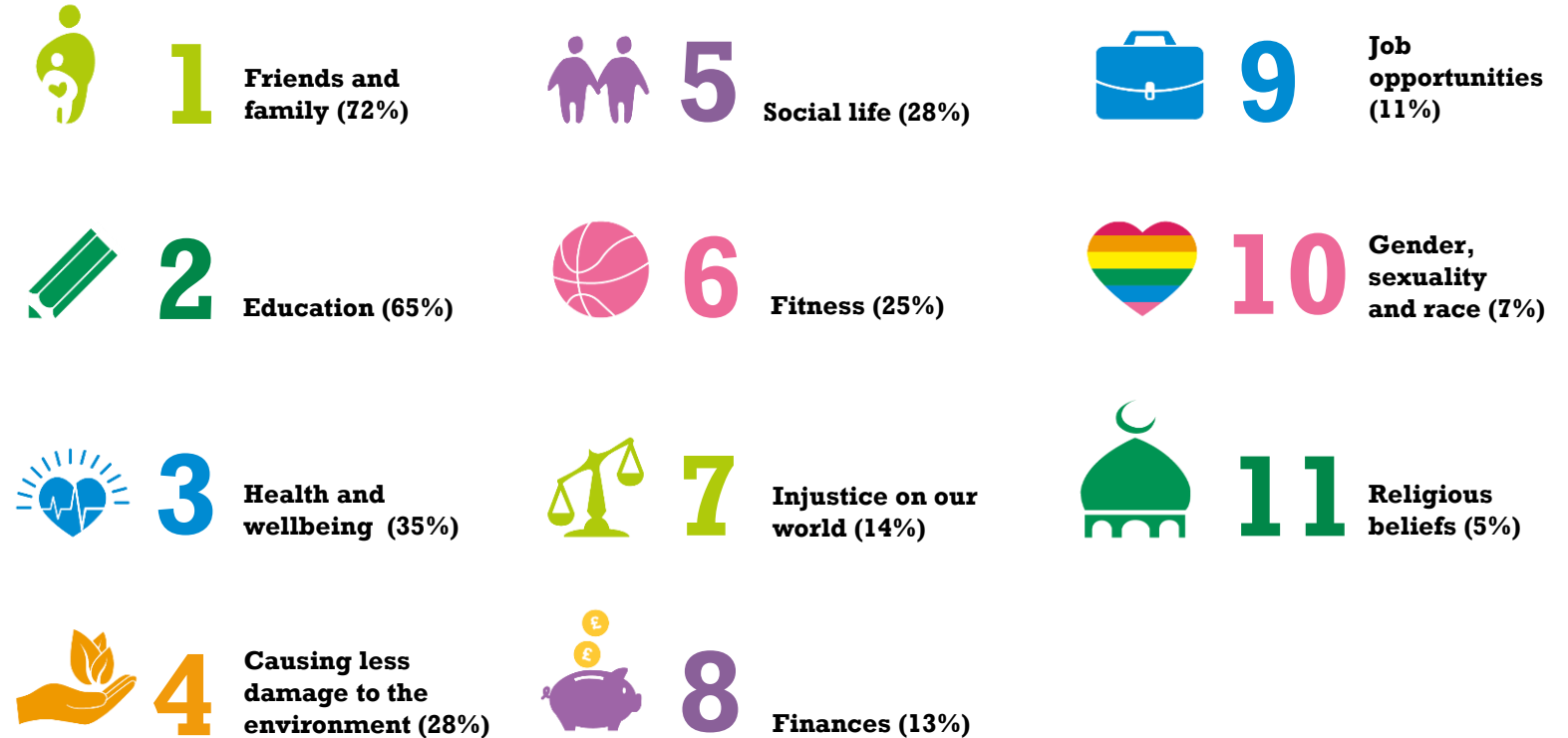
2. Young people see climate change as a threat

Over 8 in 10 young people (84%) expressed concern regarding climate change. The vast majority (over 7 in 10) believe climate change is happening now, that it is a global crisis, and that there is a human component to climate change. Nearly 8 in 10 (78%) also said climate change will affect their life in the future (36% reported that it is already affecting their life now). 6 in 10 (60%) also recognised that their everyday choices have an impact on climate change, in either a positive or negative way. Overall causing less damage to the environment was the 4th of 11 priorities (which is higher than in other regions ICN have run the survey). Many say they have more pressing priorities in their day-to-day life, notably education and friends and family.

Are young people concerned about climate change?



Youth priorities: where does climate change fit?



Other priorities for students included: having time for their hobbies, supporting themselves and others with their mental health; prioritising personal development and having fun; achieving world peace and an end to the invasion of Ukraine; carrying out animal activism and creating a sense of community.



3. Young people want more joined-up action

Whilst **7 in 10 young people identified the Government as having most power to make a difference**, a large majority are positive that there is a need for collective action on climate change. Many advocated that we all, from large businesses to every individual, have a part to play (reference pg. 21). There were, however, **strong feelings that responsibility and action need to be shared fairly across society**, and comments often expressed that they feel dissatisfied and frustrated about action and leadership from governments and businesses. This can act as a barrier, deterring engagement with climate action.

Who do young people believe has the most power to change the course of climate change for the better?

- | | |
|--|---|
| <p>1 The Government
(70%)</p> | <p>6 Schools and places of work
(25%)</p> |
| <p>2 Every individual
(52%)</p> | <p>7 My community
(17%)</p> |
| <p>3 Businesses and Corporations
(48%)</p> | <p>8 Families
(13%)</p> |
| <p>4 Fuel suppliers
(32%)</p> | <p>9 Other
(4%)</p> |
| <p>5 Young people
(25%)</p> | <p>10 No-one
(3%)</p> |

Respondents were given the opportunity to openly respond in more detail and a sample is showcased here (reference pg. 21 for further comments)....



"We all have a voice and the power to make a difference on climate change, its just whether we use it or not. One person will make no difference but millions acting together will make a change."

"We need change at all levels. Policy, personal and commercial responsibility."

"The government has the power and the money to regulate companies effectively however it's using it irresponsibly. The agency of one person is miniscule in comparison to governmental approval of harmful laws such as allowing fracking. The government needs to provide consistent funding to allow people to make the changes needed and hold businesses to account."

"Governments must take action so that individuals have options to act in a climate conscious way. Regulation must come from the top down."

"Young people are the future leaders of the world and can influence our future. It is our future that will be affected."

"Businesses have a lot of power as they are responsible for all the goods and services we consume. A single person's carbon footprint is absolutely dwarfed by that of industry, yet there are rarely people talking and campaigning about ways for industries to reduce their emissions. I feel that even if every person in my school didn't eat meat for a month, a rich businessperson could launch a rocket and cancel out all of that hard work."

"My community encourages us to do a litter sweep whenever we can."

"My school is proactive with saving the planet, because many of its pupils care."

"Fuel suppliers are literally the root of the problem. They could put costs up or switch to renewable energy to ensure real change. Fuel suppliers are making record breaking profits at the same time as record numbers are facing fuel poverty. They should make the right choice to invest in renewables and cut profits to ease prices for consumers."

4. Young people are willing to act on climate change

When asked whether young people are already taking some action on climate change, a majority of over 7 in 10 (74%) said yes. There were some differences in levels of engagement in climate action, however, and here we have segmented the responses into broad groups. Under each heading, there is an overview of the motivations and views given by respondents for taking climate action. Further detail can be found in Table 4 (pg. 19) where open comments clearly highlighted a lack of time as a big barrier to action.



74% Acting

These students, who are already carrying out climate action:

- Are the most concerned about climate change and have it as a greater day-to-day priority than the other groups.
- Have a greater understanding of their own personal impact on climate change.
- Are **more aware of what they can do** to address the climate crisis than the other groups.
- Are much **more likely to have family that are taking action, and feel they have support from others:**
 - 86% of those acting also had family taking action. This is compared to those not yet acting, of whom 27% said their family took action.



8% Ready for action

These students, who are not yet carrying out any climate action:

- Are concerned with climate change, but do not feel as strongly as the acting group.
- Do not define their own personal impact as clearly as the 'acting' segment.
- **Say they would like to undertake climate action** but are either:
 - **unsure of what to do (60%);**
 - **have not gotten round to it yet (40%).**



17% Not yet ready for action

These students who are not yet carrying out any climate action:

- Are concerned with climate change but have a more **limited understanding of how climate change is affecting people** right now, and how our everyday choices are contributing to climate change.
- Say they are not acting because either:
 - **responsibility to take action lies with governments and big corporations, not individuals (11%);**
 - **they feel powerless to make a difference (44%);**
 - **they do not think individual actions will make a difference (45%).**



1% The sceptics

These students who are not yet carrying out any climate action:

- Are not concerned about climate change.
- **Say they are not acting because they do not believe in climate change.**



Continued.....young people are willing to act on climate change

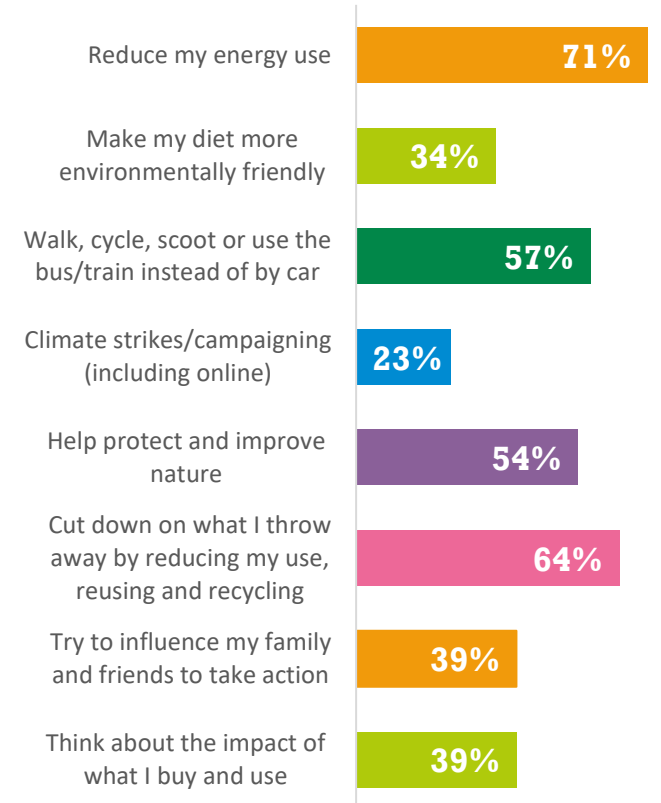
Here we look further into the types of changes young people are already making, or willing to make, to help tackle the climate crisis. Analysis reveals that **family plays a key role**: the majority of action by young people is taking place in the home, with families having a big influence (reference Table 1 and 2, pg. 17 for details). Action in the home doesn't always translate to action in school or the community, for instance of the 87% of young people who are reducing their energy use a massive 94% are doing so at home, while only 24% do at school, and 11% do in the community. Importantly, there is a **clear willingness by those not yet undertaking specific actions to start doing so** (reference Table 3, pg.18 for details).

Of the 74% who are already taking action, what are they doing?



How willing are young people to start actions?

Here are the total percentages and preferences for respondents who don't yet do the action but say they are willing to start.

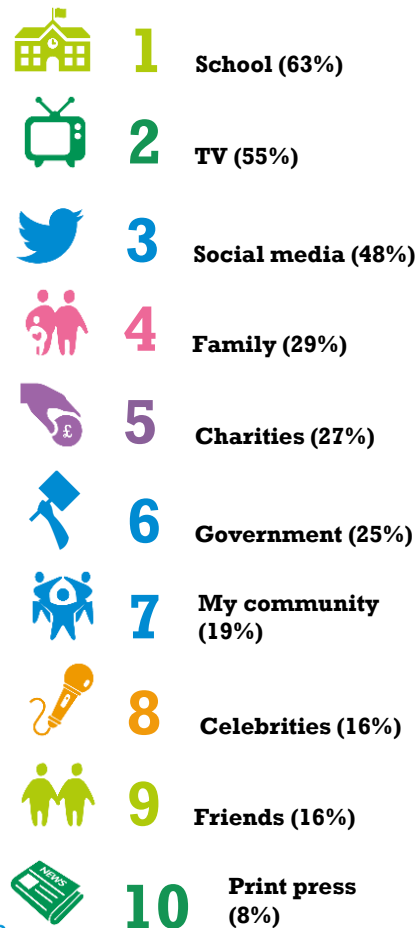


*Other actions mentioned included: only buying clothes second hand/from charity shops, and making their own clothes; being part of their school Eco-Council or the Gloucestershire Change Makers Programme, some have led assemblies about recycling; buying local seasonal produce to cut down on food miles, are vegetarian or buy food from farmers' markets; participate in village protests, write to their MP, attend climate groups and the Gloucestershire Youth Climate Panel, as well as objecting planning applications which will have a detrimental environmental impact; Donate to environmental charities; subscribing to a climate newspaper; use the ECOSIA search engine; collect rain water, enjoy recycling waste by turning it into art, avoid products containing palm oil, only use environmentally friendly cosmetic and menstrual products.

5. Young people welcome inspiration and support

What is clear is that **school has a real impact** – it is where young people hear about climate change the most and is the most trusted and inspiring source of information. In the open comments, 17% of respondents specifically said that their school or a teacher had made a big difference to what they think about climate change. Over 1 in 10 also named well-known individuals, such as David Attenborough (13%) or Greta Thunberg (12%). Family and social media are also shown as important sources of information. Interestingly, the Government is seen as the least representative.

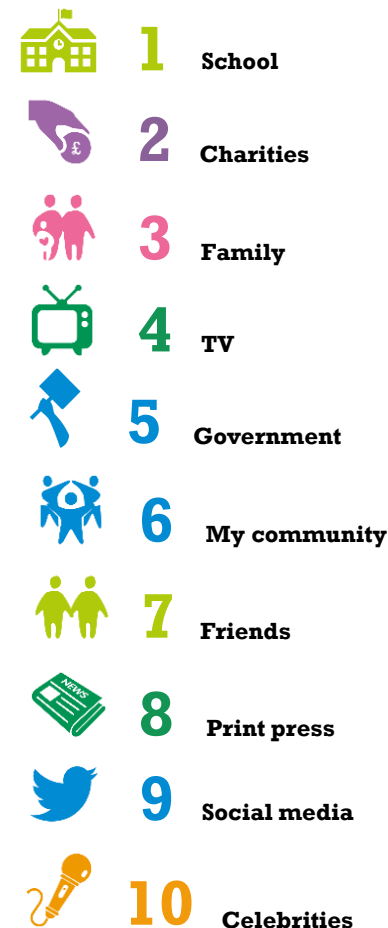
Where do students hear climate change talked about the most?



Who inspires students to get involved in climate action?



Which information sources do students trust?



Which information sources do students see as the most representative (age, gender, race)?





Continued.....young people welcome inspiration and support

The survey showed a whole range of things that influence whether young people are involved in climate action or not, from knowledge about what to do, to having support from family, to feeling positive and motivated to act (reference Table 4 pg. 19). Here we have grouped these influences under four main headings.* Looking to address each of these is crucial to encouraging students to carry out further climate-friendly action.

Young people were given the opportunity to openly respond to who inspires them, a sample is showcased here.....



"David Attenborough. He highlighted how our impacts on the environment have already started and it is not too late to reverse/stop these changes from still going forward. Watching his documentaries like Frozen Planet make me feel really guilty and upset."

"Greta Thunberg - with real emotion and passion about what she is talking about - fills me with a guilt that inspires me to find new ways to help. She is so young and hearing such important words inspired me."

"Social media - Influencers fighting climate change like Mikaela Loach and Tolmeia. Their messaging about community and everyone having a part to play in creating change is really inclusive and inspiring. WWF on TikTok talks about animals vulnerable to extinction, and documentaries like Cowspiracy."

"Family – my sister is a marine conservationist. My mum is very passionate about the environment and always opens the door to conversations surrounding climate change that others may feel awkward having. My dad is a member of Greenpeace..... My family get involved in surfers against sewage."

"I am part of a Young Greens group, which makes me feel empowered to make a difference. Extinction Rebellion's introduction talk is a wake up call everyone needs. I wrote to my MP objecting to a planning application which will destroy vital habitats in our village. Community based organisations like Planet Cheltenham that make climate action seem more accessible and tangible."

What do young people need to enable action?



Opportunity

Young people need more structures in place (especially more time, ref. pg. 15 and 19) so that they have the opportunity to do things differently, and importantly that it becomes easier.



Knowledge

Young people need to be clearer about the everyday actions that will make the most difference, and then have the skills to do them:

- **54% of all respondents were unsure of the individual actions they could take to help combat climate change.**



Community

Young people need more support to undertake climate friendly activities. They need to see what others are doing, to learn from, and encourage each other.



Being positive

Young people need to establish action as a priority that they 'want' to do, and feel positive and stay motivated because of the difference they are making.

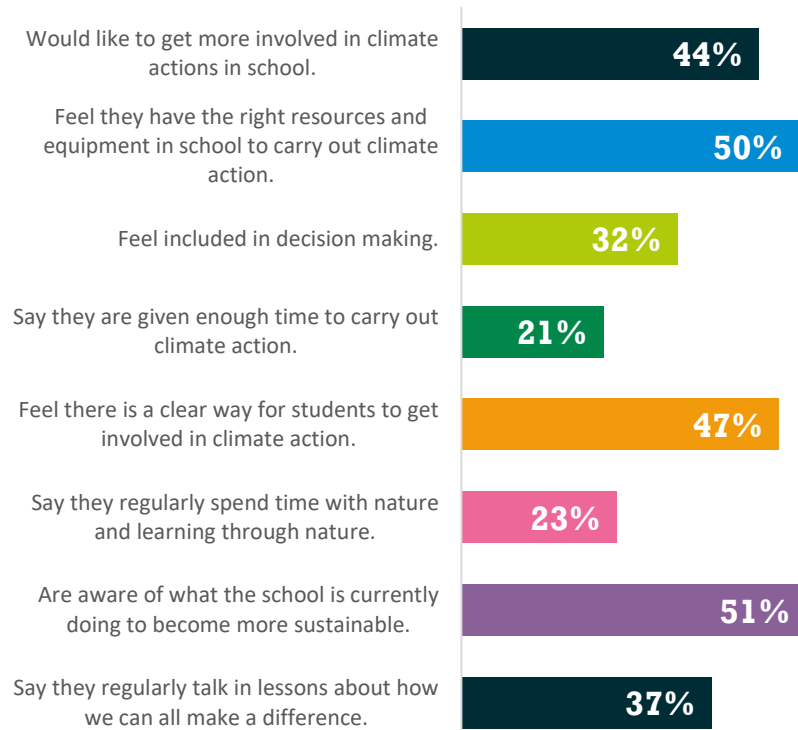




6. Young people believe schools can make action happen

This insight shows what Gloucestershire secondary schools are doing well at: making students aware of what they are currently doing to become more sustainable and providing the right resources and equipment. There is, however, still more to be done. Crucially, **8 in 10 students (79%) indicate there's not enough time for them to carry out action.** Only 2 in 10 students say they regularly spend time with nature or learning through nature, and 7 in 10 say they do not feel included in decision-making. There is a lot of support for many of the approaches for making schools more sustainable and taken together, these survey results may well help to shape future plans both in schools, but also in the wider community.

How do young people see climate action in school?



What do young people say would motivate them to act in school?

We identified five approaches* that could be applied to make schools more sustainable. For each approach we asked respondents the extent to which they felt that this idea would motivate them to take climate action. Below are the top 5 choices selected, see Table 5 for the full list of results.



*You can find details of the approaches identified here: [Climate-Action-Survey-approaches-to-motivating-students.pdf](https://interclimate.org/Climate-Action-Survey-approaches-to-motivating-students.pdf) (interclimate.org)

Part 2

Dive into the data

Here we dive deeper into the survey information we analysed to outline the top 5 insights.

You can use this knowledge to strategically guide your plans for positive change – encouraging more young people to act on the climate crisis.





Young people are willing to act on climate change

We asked the 74% of young people who are already taking action ‘for each action that you ARE doing please let us know WHERE you are doing these actions’ and also ‘WHO you are doing these actions with.’ The importance of family is noticeable, with most action taking place inside the home with family. Also, young people reporting that they commonly walk, cycle, scoot or use the bus/train with their friends shows the potential for creating communities of support for active travel.

TABLE 1: WHERE are young people acting

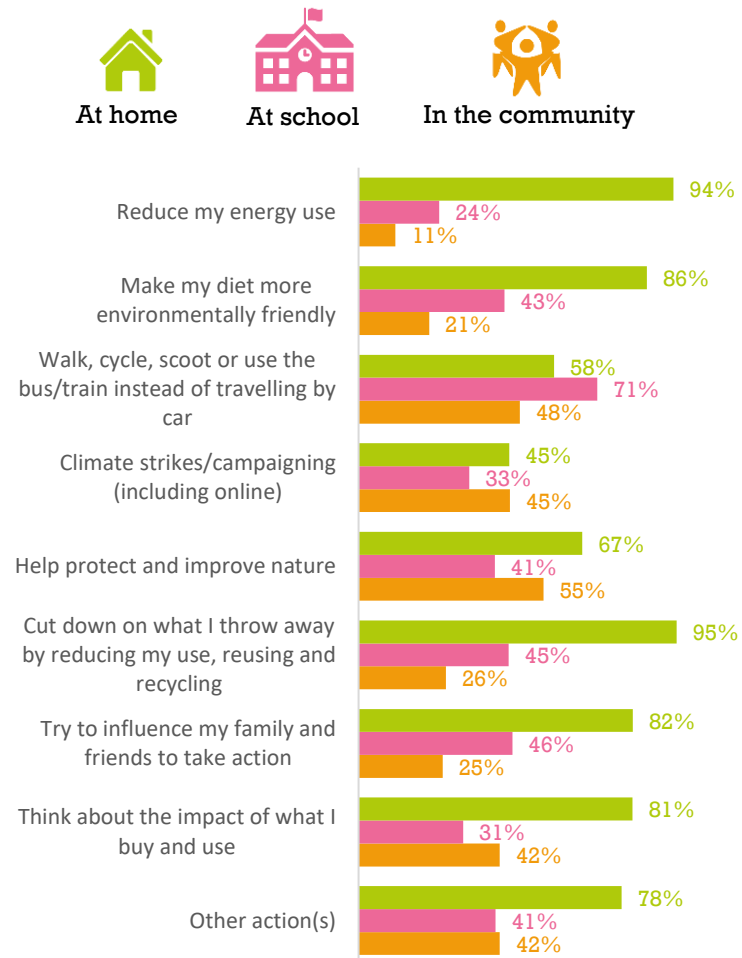


TABLE 2: WHO are young people acting with

Action	Alone	Organisation in school	Organisation outside of school	With family	With friends	Other*
Reduce energy use	35%	9%	4%	80%	16%	4%
Make their diet more environmentally friendly	40%	7%	4%	65%	13%	6%
Walk, cycle, scoot or use the bus/train instead of travelling by car	48%	12%	7%	44%	52%	4%
Climate strikes/campaigning	31%	16%	13%	25%	22%	29%
Help protect and improve nature	41%	21%	12%	58%	34%	7%
Cut down on what they throw away by reducing use, reusing and recycling	40%	13%	6%	80%	20%	4%
Try to influence family and friends to take action	43%	10%	6%	54%	39%	8%
Think about the impact of what they buy and use	54%	8%	5%	60%	21%	6%
Other actions	43%	13%	13%	45%	27%	23%

*Other options included litter picking, gardening, replanting trees, growing vegetables at their family allotment and taking the school bus. Students commented they acted with people they had met online, as well as their community, Planet Cheltenham and members of their religious community (“other Muslims” or members of their church.)

Young people are willing to act on climate change

Column (h) shows the combined total of responses from those already taking the action (a), along with actions young people said they would be willing to start doing (c, d and e). By looking at these combined totals it is possible to see the climate change actions that will have the support of the majority of young people.



TABLE 3: What climate actions are students already doing, and what would they be willing to start doing?









	Responses from the 74% of students who are already acting.			Of the 26% of students who are not yet acting, how willing would they be to start doing specific actions?				Combined total % of young people who are doing an action combined with those willing to do an action (h)
	I do this (a)	I don't do this (b)	I don't do this yet but would like to (c)	Very willing to do this (d)	Slightly willing to do this (e)	Unsure (f)	I do not want to do this (g)	
Reduce energy use	87%	4%	9%	38%	34%	17%	11%	90%
Make their diet more environmentally friendly	37%	43%	20%	12%	25%	22%	41%	52%
Walk, cycle, scoot or use the bus/train instead of travelling by car	72%	16%	12%	39%	28%	17%	16%	80%
Climate strikes/campaigning	9%	68%	23%	4%	15%	34%	47%	29%
Help protect and improve nature	35%	31%	34%	21%	36%	27%	16%	66%
Cut down on what they throw away by reducing use, reusing and recycling	75%	10%	15%	29%	38%	23%	10%	84%
Try to influence family and friends to take action	43%	36%	21%	12%	29%	33%	25%	58%
Think about the impact of what they buy and use	47%	34%	19%	12%	32%	33%	23%	60%
Other actions	26%	57%	17%					

Young people welcome support and inspiration

This table provides further clues about barriers to action to inform planning.* A lot of useful detail about why young people are not undertaking certain climate actions was provided both by the group that is acting and those that are not yet acting on climate change. Lack of time is a major factor for both groups in some activities. Not knowing how to do certain activities is preventing many from taking action (lack of knowledge), i.e. not knowing how to reduce energy use. Climate strikes and more environmentally friendly diets brought up mixed feelings for many ** and young people were also honest about which actions are not as important for them.

TABLE 4: What is preventing climate action?

The question asked of those already undertaking some action was: "For each action that you ARE NOT doing please let us know what you feel is preventing you." For those not taking any action the questions was: 'For the action's that you may be willing to do please let us know what you feel is preventing you from getting started.' The top reason is highlighted across the responses for each action.

			Don't have the right equipment	Don't know how to do this activity	Family and/or school are not supportive	Can't afford to do it	Don't have the time	It's not important to me	Other reason**
	Reduce energy use	Acting	15%	20%	8%	9%	25%	11%	31%
		Not acting	9%	28%	6%	8%	22%	N/A	31%
	Make their diet more environmentally friendly	Acting	5%	15%	10%	12%	19%	30%	26%
		Not acting	4%	17%	8%	9%	14%	N/A	28%
	Walk, cycle, scoot or use the bus/train instead of by car	Acting	18%	4%	8%	10%	35%	6%	35%
		Not acting	13%	8%	6%	8%	27%	N/A	39%
	Climate strikes/campaigning	Acting	6%	31%	5%	2%	45%	22%	15%
		Not acting	5%	19%	8%	4%	30%	N/A	21%
	Help protect and improve nature	Acting	16%	25%	3%	3%	44%	7%	20%
		Not acting	11%	27%	3%	6%	30%	N/A	24%
	Cut down on what they throw away	Acting	9%	16%	8%	7%	20%	8%	39%
		Not acting	7%	20%	4%	6%	18%	N/A	35%
	Try to influence family and friends to take action	Acting	3%	20%	7%	2%	27%	27%	26%
		Not acting	3%	18%	8%	4%	21%	N/A	28%
	Think about the impact of what they buy and use	Acting	5%	19%	5%	10%	27%	19%	26%
		Not acting	4%	19%	3%	10%	20%	N/A	29%

*It's important to recognise that self-reported information has limitations. People are often biased when they report on their own experiences. For example, many are more likely to report experiences that are socially acceptable or preferred. Yet this data when used alongside other information e.g. Table 3 (reference pg.14) can create a more accurate picture of why students are not undertaking certain actions and provide clues about what may help to overcome these barriers.

Other reasons given included **emotional responses, especially around climate strikes and campaigning with them not 'feeling comfortable doing' or they were 'Too dangerous and risk of facing consequence online.' Others said 'I don't want to lecture my family, turn conversations into a chore.' Some had **lost motivation** and 'I don't want to miss my education for something that doesn't make much difference.' A factor for many students was that **choices were out of their control**, whether that was through a parent not wanting to change or a business not offering an alternative choice: 'Commercially available food products are sold in unsustainable packaging.' **Not having the opportunity** was notable around transport 'there is no safe cycling route,' 'the school bus is too expensive.' Many stated that they 'really enjoy meat so it would be hard for me to stop' or eating less meat would be unhealthy 'as a growing teenager, eating less meat would be devastating.' Others simply 'never remember to actually do' actions and **often forget** to turn off electronic devices, but I would turn them off if I remembered.'

Young people believe schools can make things happen

We identified five approaches that could be applied to make secondary schools more sustainable. For each approach we asked respondents the extent to which they felt these approaches would motivate them to take climate action. In Part One we outlined the top 5 choices selected, and below we have provided the full list of results. We have highlighted in yellow the top three motivators under the first two column headings. Also highlighted are the approaches most likely to be ignored, shown in column 3.

TABLE 5: What do young people say would motivate them to act in school?

	This would motivate me	This might motivate me	I would ignore this approach	Don't know
Policy and rules that ensure climate friendly behaviour				
Stronger school rules to ensure climate friendly behaviour by everyone, for instance about cutting energy use or food waste.	35%	42%	9%	14%
More opportunities for students to feed in and influence rules and targets, e.g. forums, elected eco-reps, anonymous suggestion boxes.	30%	40%	13%	17%
Greater engagement with students so they understand the rules and how they will help.	34%	41%	9%	16%
More positive communication around climate change				
Track results and showcase the positive impact of our actions, for instance how much energy or waste we have saved.	41%	37%	8%	14%
Linking climate action to other campaigns that make life better, such as improving your health.	38%	39%	10%	14%
Social influence				
Rewards and competitions to encourage action.	41%	36%	12%	11%
Access to more groups and activities to discuss and carry out action e.g. climate forums.	25%	39%	19%	16%
Hear from inspiring (local) people about the positive difference they are making.	28%	38%	18%	16%
More and better education about climate change and what action to take				
Sustainability taught across all subjects.	32%	40%	12%	16%
Careers guidance on 'green' skills and jobs that are going to be needed.	33%	38%	12%	18%
Structural changes that make it easier to do the right thing				
Install more equipment that make it easier to undertake action, e.g. more recycling bins around school.	50%	32%	6%	12%
Have student monitors, e.g. energy and recycling monitors.	26%	36%	21%	17%
Introduce changes that we are not really aware of e.g. mix more vegetarian options into the rest of the canteen menu.	36%	28%	20%	16%

A selection of open comments

Who do young people believe has the most power to change the course of climate change for the better?

Individual action is limited by the options made available to us by businesses/corporations/national and local government. Placing responsibility on individual choice is unfair and unhelpful when we are much more effective collectively. It makes us feel shame for choices that are necessary and leads to inaction and doomism. Fuel suppliers are making record breaking profits at the same time as record numbers are facing fuel poverty. They should make the right choice to invest in renewables and cut profits to ease prices for consumers. Businesses and corporations and responsible for goods and services which drive most of our emissions. They should focus on circular economy principles, reducing waste, providing recyclable products that have minimal harm at end of life, providing sustainable transport options for their employees, and providing sustainable services. The government needs to provide consistent funding to allow people to make the changes needed, they need to set high standards and ambitions, and hold fossil fuel companies and other businesses and corporations to account.

One person's actions are miniscule in comparison to government who could create harmful laws such as allowing fracking (Liz Truss) or drilling for oil, or producing fast fashion.

Because young people are not listened to.

Because individually, it is very unlikely that people can create the huge change that we require so we need the people with power to make huge changes to acknowledge the climate crisis and do something to slow this damage. However I do not think these people would like to acknowledge it but I believe that young people have the potential to make them listen because we are angry and want to make it as difficult as possible to keep ignoring it because at the end of the day, it's our future being destroyed.

Everyone has a voice.

The government (Uk etc) have the power they just won't bother. Young people are making a change. Businesses can choose better resources.

I have watched everyone I know be climate conscious since we were taught it in school, and every one of them has been a DROP in the ocean of damage being done to our climate. An individual can control what they eat, and what power they use, but if all their necessities come wrapped in plastic and powered by oil, there is nothing they can do as an individual to change that if they then cannot afford the prices being put on the products that advocate themselves as climate friendly but are produced by the exact same companies. Sure, we can gather and protest, but its these big voices that need to hear us and do something. We need to put an end to the large scale harm being done. Limit the abilities of corporations and the wealthy being able to get away with it and us feeling the consequences.

Everyone can and should do something but in reality it's down to the government to help give us things that help. Most families don't have enough money to buy electric cars and the more expensive food just because it's better for climate change. The government should help by giving us access to help and letting us know what we can do to help, as well as helping themselves. Just because they're rich doesn't mean they shouldn't help with climate change. Right now they just ignore it and expect us young people to deal with it in a few years. They put too much pressure on us and should take on the responsibility of what they have caused.

Individuals cannot make a big enough difference if all we have are climate-negative options. Why are non-green houses still being sold, why are single plastics still available, why are our fuel options coal and gas still? **We cannot as individuals make positive choices if the only choices are bad.** This is why regulation has to come from the top down so everyone is forced to do it. This is why I didn't choose every individual because not everyone wants to or can make a difference unless it is accessible to them.

Everyday actions by **individuals and communities** are a huge help. But 50% of the world's emissions are caused by the top 1% of companies, and it's **really not fair to the millions of individual people doing their best to help.**

The **fuel and companies** (some of them) are leaving a massive effect especially in the UK while they're making profit by polluting or damaging the world and the **government isn't doing anything** that changes enough and **everyone is facing the consequences for the companies** actions to where we could lose our planet because of them.

If you educate people from a early age they will just do it out of habit.

The **government** have lots of power and **young people are bright and think about modern solutions.**

Because **anyone** can make a difference if they put in the time, effort and energy.

Every individual because together **everyone can make a difference, young people because they seem to be the most aware and it affects their future,** and **Government** because they hold a lot of power.

Despite the fact that the **Government and Fuel Suppliers** could reduce the effect the most, **they don't.** Therefore **it is up to us, the people to have the greatest effect on the climates current situation.**

If individuals live in societies structured to support emission producers they are not to blame for acting accordingly.

Celebrities (social influence).

The **Government** can help put laws in place in order to encourage certain things like less energy use and recycling etc. **Fuel suppliers** could put their costs up or switch to renewable energy to encourage renewable energy. **Businesses and Corporations** could switch to renewable energy, use resources from closer by etc to reduce the effect making a product will have on the environment.

Because, although if **everyone** does their bit, together its a massive difference BUT, it always seems to be the people with money, who control everything. **Big energy companies just want to make more money** instead of doing things to save our planet. The **government, just want taxes and to be in power so they wont upset the big companies.**

The **government** talks a big game but in the end they are simply sending messages, they **aren't really doing much** at all to reinforce what they suggest. They need to put their foot down when it comes to businesses and fuel and such.

The **Government** can invest more in renewable energy.

A selection of open comments

Who do young people believe has the most power to change the course of climate change for the better?

We need change at all levels. Policy, personal and commercial responsibility.

Because although every individual can make a difference through their actions it is **large corporations that produce the most emissions and then individuals are made to feel guilty about not doing enough to help climate change** when the **real power is in the hands of these companies and with the government which doesn't provide appropriate legislation to tackle climate change.**

My top answer was **the government, but clearly at this moment in time, they seem unable to grasp the enormity of the situation in our hands, therefore leading to complacency and little positive action being taken.** However, if the government would stop making things good in the short term, and focus on long term issues, become less money driven and corrupt and fully understand climate change, then with the right actions, we'd be able to drag ourselves out of the pit that we are constantly digging deeper. I also say **every individual** because with enough people wanting change, the people who make change will be pressured into making change. However, **if there is no pressure, then, once again, there will be complacency and little positive action** being taken.

Young people because we are the future, schools etc. because that is where the **most education of both young people and adults and the most implementing of positive changes** can happen on a large scale, **the government** because it is **their duty to protect the planet and our future in ways that individuals cannot as they have the power to.**

Young people because they have the power to tell older people not to do it.

If the **government and corporations** fail to provide adequate means to prevent climate change, **individuals and smaller groups have next to no power** to alter the situation.

Young people have the desire to change things but have no power to so its ultimately up to the **government but they are heavily influenced by big businesses, so with pressure from young people the government might do something more to help.**

I don't think that **anyone other than the government and leaders of big businesses can really make a big difference** because they are the ones holding the money and power.

The **government has the power to restrict how businesses** and corporations that do not produce their goods in an environmentally friendly manner operate to an extent, and I believe that **unsustainable fuel types should be taxed** much more so fuel suppliers move over to green energy.

Young people especially because it's our future and if we want to have a couple more generations, we all need to start a little bit by little, and then it will get better. One person will make no difference. Millions can.

The **government is lazy** but could really help if they tried to. Individuals can do loads. **Fuel suppliers** can do A VERY LARGE LOT.

I selected **every individual** as we all have a voice and we all have rights to help the world. I selected **young people** as when we are older it will be **our future that will get affected** if we don't do anything to help. I selected the **government** as they can speak about it in parliament and raise awareness they can also speak to interviewers and tell them how they feel about climate change.

Every person should get involved it seem boring at first but **it's really fun when you get involved.**

A lot of blame is pinned on the average person, but I'm reality it is mainly big corporations who hold a lot of responsibility but they manage to get by unscathed.

Younger people are more engaged about the world and what we are doing to it.

Education is a great way to inform **young people** who will then tell their families. **Every individual must make a choice to change but the government has the power,** finance and legal rights to **create meaningful change** which can make a profit alongside created a more sustainable economy and country.

Young people because they can make a change, **schools** can encourage bike riding and recycling and families encourage

The **government** have a lot of power over everyday people, if they worked with **mass organisations and businesses** (who create so much pollution) it would have such a positive impact on climate change. I also think **school and work places contribute a lot so if the government also worked with them we would also receive a huge positive impact.** I don't think it is fuel suppliers as they only see the demand and supply it, if the government (and people) created no demand they would not supply.

Celebrities who have a big carbon footprint.

I think that **the Government don't care enough** about climate change and if they did NONE of this would be happening. It really is very STUPID!!!

Individuals can make small changes that add together to improve the environment. Larger organisations like business and the government can take larger actions into plan to make big changes.

I think there needs to be change from the top-down. Individual changes won't do much when we are still dependent as a society on things like cars, fossil fuels, etc. There needs to be top-down change and incentives. Also the government I think could definitely be doing more.

A large proportion of global emissions come from corporations and fuel suppliers, it is the **responsibility of the government** to end subsidies for fuel companies and put emissions caps on companies or sectors. Individual people and communities cannot tackle climate change alone.

Industry are one of the worlds worst polluters, **governments** have the legal power to control this.

A selection of open comments

Who do young people believe has the most power to change the course of climate change for the better?

Individual choices make very little impact on climate change, to a point where individual action, **without legislative action is entirely useless**. Even if everyone in the world was vegan, **most pollution comes from the very few richest** in the world, who would continue to profit short term, destroying the planet long term. **Individual action other than campaigning is useless for anything other than peace of mind**.

Young people are the future leaders of the world and can influence our future. The **Government** holds a lot of power in terms of environmental laws and restrictions.

Everyone should be responsible for their own carbon footprint, **businesses are some of the worst when it comes to that though so they should step their game up**, government should just promote it.

Because **we need older people to let us think about it and so they can get us involved with it**.

If the **government made compulsory laws on energy suppliers big corporations etc** it would make a huge difference as they are the ones who have the largest carbon footprint. At the moment they only have advice and they require big corporations to only provide what they would do but that doesn't mean they are going to follow through with it a lot of the time they could only be doing it so then they look good as well as that the government could find land to plant trees and could invest more into helping the climate instead of **relying on their citizens to do all the work for them**.

Because **everyone** can make a change you just have to commit to it.

We can do things as individuals, but **it's the government that has the power to see real change**.

My mum and family make me want to help more!!

Because **my community** encourages us to do a litter sweep whenever we can.

The **government** are in charge and **should put in rules that help the environment** such as everybody having solar panels or making non plastic options in shops cheaper.

Everyone can do a tiny thing and it would make a big difference and for **young people it is our future**.

I think **every individual** can make a difference because if everybody thought one person can't make a difference then nothing would happen. I chose the **government** because they make the rules and by making rules that have a positive impact on the environment they can help and encourage people to change. I chose **businesses and corporations** because big companies have a large carbon footprint and if they all change it can make a huge difference.

Because the **government** has the extreme ability to make big decisions.

God (so I'll pray to him to ask him to help!).

Everyone can help even if its just recycling a bottle every little action helps, I think that **if everyone does there bit we can stop climate change!**

These nations - **European and North American** - should be **leading and paving the way for all nations of the world to be able to build a greener, better, society that benefits the planet and its inhabitants**. With positive investment in renewable technology, strong public policy, and involving community action to ensure the people are not left unattended for - I believe this is what is needed to make a positive difference.

My school is proactive with saving the planet in many ways because many of the pupils care. I think other schools are similar.

To be honest the **fuel suppliers** will keep going but if they stop they will make the biggest difference. The **government** are the only people who can stop the fuel suppliers. **Individuals however are the only ones that can make the government take action**.

Because there is a limit to how much individuals and small companies can do - now **it is up to the government to ultimately legislate policies to set laws around** what big businesses can do - and what they can't, to save the planet.

Because as **every individual** can make small changes to their daily life to be more sustainable, it does come down to **big businesses and fuel suppliers to make the bigger changes** like making the prices of unsustainable fuels more expensive, which therefore will tempt even more individuals to become more sustainable at home/in the community. Furthermore, the **government** also has the power to make vast changes to how sustainable our country is, like with trade and exportation with other countries. Just **the government has to actually use that power otherwise we will be getting absolutely nowhere**.

Everyone has rights and a voice.

Governments, businesses, corporations, and fuel suppliers & producers need to be held accountable for the mass amounts of fossil fuels that they have procured and subsequently burnt.

Of all of these, **the state has the highest burden of all**. As it was under their supervision and fossil fuel friendly policies that led to mass amounts of CO2 being produced which we are now starting to feel the consequences of - **we also cannot ignore the lobbying and disinformation by fossil fuel producers**.

All governments have a role to play in reducing the emissions of their country but **wealthier nations have a specific responsibility** to provide for poorer nations, who had suffered under a euro-centric colonialism for decades.

Individuals don't have the ability to pass laws only pressure them to be passed. **Fuel suppliers** are literally the root of the problem- at this point it might be better to just stop producing any fuel at all considering lives lost (source- does it matter? the point is this is how I, a representative of all people my age, feel like this and that should mean a lot to anybody who cares). Corporations have the power to unite and direct people better than individuals or under-motivated volunteers.

People in POWER.

A selection of open comments

Who do young people believe has the most power to change the course of climate change for the better?

I think that **every individual** has the power to draw attention to the climate crisis, **young people** especially, but ultimately, as a society heavily swayed by capitalism, **businesses and corporations have a responsibility** to change their practices or the movement will not work. This requires the **Government** to introduce stricter laws on climate change and people who commit ecocide and those who continue to damage the environment, consciously.

Its said that **young minds will be our saviour**, **school influences everyone to make an impact** and my other option is for **Greta Thunburg because she's made a very big impact**.

Businesses and corporations are one of the biggest participants in climate change, the **government** is the only thing that can really make them do anything **but so far neither have nor look like they will** in the near future, which is why it is currently more up to **individual people** to make as big of a difference as a single person can.

They contribute the most to climate change (**corporations**) and have the most influence over the rules that would change peoples behaviour by necessity rather than allowing them to choose based on convenience.

Because if the **government** controls what happens to our country politically, they should at least try and do something about the 'nature' side of our country.

Large bodies of people will inspire others, and if the **government** pass laws for climate change then more people will feel obliged to comply. Small things will make a difference, so if **everyone** does something little it will eventually grow into something worthwhile.

Everyone in the world of any age.

Everyone has the power to help change the world if they just want to try.

If **every individual** looked after the environment, it would be very good for climate change. The **government** has the power to motivate people into being environmentally friendly. **Fuel suppliers** need to be sustainable and good for the environment, not giving off so many emissions, which would be good for the environment.

Everyone can make a difference but mainly the **government** as they have a lot of respect and **people will listen to them**. Also **businesses** can become eco friendly as they are the ones who generate carbon dioxide and a lot of plastic waste and also energy WASTED.

I chose '**every individual**' and '**young people**' because anyone has the power to make a difference on climate change, it's **just whether they decide to or not**.

I think **everyone** can make a big difference however **businesses can encourage the government** to actually help as **they don't do anything** about climate change.

Businesses/corporations have the biggest environmental impact so big changes from them would make a lot of difference.

Young people are the new generation and we will have to deal with what is chosen to do.

Everybody can help in some way, the **government** can place rules that we could abide to, and **schools and workplaces** normally have alot of people, **imagine if every single school and workplace in the whole of UK took part!!**

Large companies can and it would make a big difference but **they wont as it gets them more money** and the **government just can't agree so its mostly just up to young people**.

Because for it to work we need **everyone** to be involved and the **government to lead us**.

Young people are realising for their future they need to make a difference.

While individuals can help a bit, the only real change can come when the **people with the most power** and money start to do stuff.

The **Government** makes the rules, so they can enforce climate laws. **Fuel suppliers and businesses** and corporations are wealthy and have a lot of control over people (supplying their needs and wants).

I think if **everyone does there bit** and if big **companies/ the government** help by reducing pollution then the world will be a better place.

Because **everyone** can make a difference.

Everyone should help the planet that is what I believe.

A single person's carbon footprint is absolutely dwarfed by that of industry, yet there are rarely people talking and campaigning about ways for industries to reduce their emissions, it is nearly always about the individual.

A selection of open comments

What or who has made a big difference to what young people think about climate change?

When I was about 9, I was inspired by **Greta Thunberg** in the news and became quite passionate about climate change; becoming vegetarian, trying to buy more eco friendly products etc.

Greta Thunberg. Her rage at the fact that the governments of our world have taken hardly any action towards this existential threat shows how incompetent they are at major issues. She has shown me that anyone, ANYONE can do their bit, even become a major voice in the tidal wave of action that is necessary to save humanity.

Greta Thunberg. She was very young and I felt like I could relate more to her and her passion, being a similar age to her.

Greta Thunberg made me think that anyone can make a change because she started climate activism as a child so that means anyone can help.

Greta Thunberg is a young girl like myself. She is inspiring and makes me want to be better.

Greta Thunberg inspired me to take action on climate change and when she started she was only a child so that means I can too.

Greta Thunberg because she stands up against the biggest leaders with no fright and she has the right because we need to take action quick or it might be too late

Greta Thunberg and **David Attenborough** - seeing real people with real emotion and passion about what they are talking about - fills me with a guilt that inspires me to find new ways to help.

Greta Thunberg and her climate activism was the first big thing I had heard about climate change . This made a difference because I thought of it in a more prominent way.

I think that **Greta Thunberg** made a big difference to me because she is so young and hearing such important vital words coming from a young person inspired me

Greta Thunberg has made a huge difference in our views of climate change because she felt it necessary to raise awareness on a global scale!

Greta Thunberg because she has inspired people to get involved.

Greta Thunberg has inspired me a lot to recycle and stop climate change. She has inspired me to share the message to everyone to recycle.

Greta Thunberg because if I hadn't have seen her on TV I would have known less about climate change

Greta Thunberg - Her messages are very powerful and clear.

Social media ppl like **Greta Thunberg** - people who keep it real and don't sugar-coat reality.

I think **Greta Thunberg** has inspired me the most because she is so strong in her beliefs

Greta Thunberg - saw her on TV talking about climate change and she is very inspiring

David Attenborough, his documentaries were so out of a comfort zone that they made me realise how big of a problem climate change was, he made a difference by being, in my opinion, one of the first people to without any reassurance, talk about climate change.

David Attenborough has inspired me to take action. 🧠 🌱 🌍

David Attenborough as he has attempted to make everyone in our generation aware of what is going on and how we can avoid it. He also has highlighted how our impacts on the environment have already started and it is not too late to reverse/stop these changes from still going forward. I think it's also inspiring how he cares so much about our future as the human race even though he will not be affected by these changes his generation are putting into action. I think that others that have the influence to make a change should follow in his footsteps and be more selfless in order to help our generation when we are trying to make an impact.

Currently I have been watching the Frozen Planet by **David Attenborough** and he talks about climate change, and it shows how important it is to help make a difference.

David Attenborough as I have been watching his documentaries almost all my life and seeing how they have changed has made me feel really guilty and upset.

David Attenborough documentaries, they are meaningful and I trust the information in them. They encourage me to do my bit.

David Attenborough, because he is an expert on the climate and has been telling us about the changes in the environment.

David Attenborough ..he cares and is knowledgeable.

I think that people like **David Attenborough** and other wildlife presenters really help the Earth and climate change because their programmes inspire people to stop polluting and using cars because of the wonder you see in the programmes.

David Attenborough and the hard hitting things he produces

Sir **David Attenborough** - Made me realise the atrocious affects we are having on the world, but he gives me hope that if it can't be fully resolved it can be slowed down.

David Attenborough because he inspires in his documentary and tells you how to stop climate change.

David Attenborough's documentaries are really interesting and often talk about the effects/causes of climate change. Knowing this has helped me to be more eco friendly.

David Attenborough!!!!

David Attenborough, he puts a scary and very realistic face on the subject and doesn't leave anything out. You almost feel guilty.

A selection of open comments

What or who has made a big difference to what young people think about climate change?

My **mum** is very passionate about the environment and always opens the door to conversations surrounding climate change that others may feel awkward having. She is also always looking for things we can do as a family to help the environment for example recycling, buying certain foods and trying to eat less meat. As well as this **social media** sites such as **tiktok** show me that there are people of my generation who are passionate about the environment and inspire me to create change.

Started with **family** conversation from a very young age. Inspired me to take more action and once you get involved you get sucked in!

Dad - spends time with me talking about climate change and impact on future. We go on walks together in countryside.

My **grandmother** has made a big difference because she is very smart and is always aware of what is going on. She reuses plastic bags and buys things that that can be recycled.

My **family**, as they inspired me to help the community and when we go to **church** we talk about what time we go to a place and help by litter picking.

My parents, who have always strongly cared for the environment and raised me to care too.

My mother, she went vegan for a couple years and always goes on walks and picks up litter when she can,. She's also signed up to many charities and global warming campaigns. She knows a lot and I trust her.

Sister - very motivated about climate change and does as much as she can(recycle batteries/ anything recyclable: vegetarian and so on).

My **mum** because she's become vegetarian and tries not to buy plastic anymore. She buys glass or tin packaging. She buys second hand and recycles as she says too much goes into landfill.

My **grandpa** because he is apart of Gloucestershire city council.

My **sister** studying marine biology and is a marine conservationist has provided me with proof of how climate change is affecting the oceans and plants in current time.

My **family** has because they have been a huge help in explaining everything and making me understand how serious this crisis really is.

My **mum**. She is amazing and she loves the planet. She is always finding new ways of helping the environment. And my **dad** he loves saving energy and not wasting things.

My **sister** and **mother** made a big difference as my mum would help me do recycling and my sister would inspire me to fight for the environment by making eco bricks or planting!!

Mum, because she showed me how easy it is to change a life style.

My **family** and I have made a huge impact on Climate Change! We have done this by picking up litter and also my **mum** has been saving the bees!!!!

My **friends** being confident in taking climate action, my encouragement through education and the damage I have seen reported and shared created by human sources. The world has literally been burning these last couple years.

My **friends and my brother**. They are all very informed and make conscious decisions based on their environmental impact. I do not feel that the government is doing enough to deal with the climate crises.

My **friend** is very passionate about helping the earth so they inspire me to help and keep me interested and up to date

Also **friends** who are passionate about the environment and teach me so much. They are a huge influence and made me feel as though I could take steps towards becoming more environmentally friendly.

My **dad** is a bit of a fanatic, a member of greenpeace and an allotment owner, he cycles everywhere and he has solar panels put on the roof.

My **family** and I talk a lot about climate change/the environment (particularly my **mum** as she works for an environmental charity). Generally the **media, and TV documentaries** have made a big difference; as well as climate summits such as **COP26**.

My **mum** is a sustainability consultant which has inspired me to take action in many different ways. I go to planet Cheltenham youth group meetings and meet others who are getting involved in tackling the climate crisis, which helps me learn how others view the seriousness of this crisis.

I think my **family** because we talk about climate change a lot at home and if we didn't do this I don't think I would be as aware.

I think **my family** does because they throw out (recycle) all the time and tell me to so I really do think my family and other families do make a difference just because they recycle.

I think my **friends and family**. My friends and I have always all been interested in climate change and protecting the environment. Also, I read a lot and learn about it there.

My **family and personal research** into the topics of science and climate change.

My **dad** because he's a ecologist.

My **parents** have been changing how they buy some products eg milk bottles, non-plastic wrappings and much more.

My **mum** always says that we need to turn off lights and turn of electronics when we are not using them and to eat no meat and she says that if we don't more and more polar bears are going to die and I think that's really sad and we are doing those to them.

My **family** get involved in surfers against sewage (they live in Devon) and they inspire me to get involved and to help clean up the environment as much as possible, not only for recycling purposes (plastic bottles on the ground), but so there's not as much work for people when the problem progresses, e.g. when it's in the sea.

A selection of open comments

What or who has made a big difference to what young people think about climate change?

I am part of a **Young Greens group**. It makes me feel empowered to make a difference and I like talking to other people my age about things that matter to me.

My **school**-Cleeve school has made efforts to teach us and show us the effects of climate change. I can say that they've **opened my eyes to what's happening and inspired me to think about my actions and how it may affect others**.

My **geography lessons** in school made me realise the scale and impacts of climate change.

A **lecturer at university** in my climate change module was really engaging and taught me a lot. She inspired me to do more.

My school because it inspires me to get involved and help the world.

Any kind of **documentaries shown to us in school**, as it provides an alternative perspective to what we see everyday as the documentary shows the impact on other parts of the world or on animals etc. I think it makes people realise how severe the situation is, but i feel if it gets repeated too many times a lot of people will get fed up and not want to be supportive.

A **lecturer at college** taught me how easy it is to spread false information, used the example of climate change, and stopped me from believing that it was fake.

School has made it very easy to understand what is happening

My **geography teachers** talk about it a lot lol. Ummm. We've got a non school uniform day soon too to help contribute to the Just One Tree thingy. I really like nature especially bc I'm interested in foraging for mushrooms and plants etc so I always wanna help those things stay happy and healthy.

Teachers because they teach us about it for our generation to help.

Mr Papper and Mr Hearing - Chosen Hill School.

The **schools** explaining the real realities and using evidence of what it may look like in the future if we don't do anything

Teachers when I was at school, by providing information I could be sure wasn't just speculation or conspiracy theories. School, because that was where I first heard about climate change

GCSE science taught me all about climate change.

Hearing about it at school has made me more aware about climate change and **I have read books** about it which have really inspired me to do something.

School with them showing real examples of what our future may look like If we don't take action.

My **eco club** as we have done some things to get other people to be good to the environment.

COP 26 and Geography Lessons - Showed me how the world is being affected by climate change, not just our country.

Teachers - good education helps me understand what I must do and has inspired me to dedicate my career to it.

School **eco committee** we discuss things to help our school be more eco friendly.

My school made a difference by telling me the importance.

We had to make a sustainability PowerPoint in **geography** and I learnt a lot about what the world is going through.

My **school** have made a big difference as **they are doing a rebuild and completely wasting money and resources** and are **not listening to what's important to the pupils**, this **inspired me to strike** against those who pretend to care about climate change but do nothing about it.

Being educated from a young age through **schools** and being **surrounded by people in classes and friendship groups** that are passionate about climate change.

My **teachers** have taught me what is going on and how we can help.

The **teachers in charge of the environmental ambassadors** - I was part of the ambassador group.

My **primary school** (Winchcombe abbey) did a whole unit on climate change! we learnt about what causes it, what it is, how to help and more!

My **primary school** made a huge difference when I joined the **eco council**. We went on litter picks and gave information to others.

My **primary school** taught me a lot about climate change and how to get involved.

My **teachers** at school have taught us about what's actually happening and how we can help.

I learned about **deforestation in school** once and started researching.

My **school** by explaining that if we don't make a change my future may be worse.

School **geography teachers** by showing me new ways I didn't know before of how to help.

School. Told me the reality of climate change

School - they have taught me everything I know.

School because we have been given lots of info about it and talked about it a lot in lessons.

A selection of open comments

What or who has made a big difference to what young people think about climate change?

I follow a lot of **influencers specifically devoted to fighting climate change**, one is **@mikaelaloach**, I think influencers often have a lot to say about fighting climate change, making us aware of the government's failings and what more we can do.

A social media star called **MrBeast** has set up multiple charities with thousands of pounds of donations, cleaning up the seas and planting trees.

My **parents** (explained already) and **social media** because it shows you how important this is and the people I see actually look like they're doing more than our own government, so I've gotten pretty scared into a point I'm changing bits of my routine in places where I'm able to.

Activists online like **Tolmeia and Mikaela Loach**. Community based organisations like **Planet Cheltenham** that make climate action seem more accessible and tangible.

On social media because that's where people talk about it, everyone else just ignores it's happening.

Mikaela Loach on Instagram is a young activist whose messaging about community and everyone having a part to play in creating change is really inclusive and inspiring. She is realistic but hopeful about our future. **Doughnut Economics** and **This Changes Everything** by Naomi Klein were two books that changed my whole perspective.

BTS, **Kim Namjoon** especially who is an amazing role model that speaks up for multiple issues and demonstrates how to make a change, inspiring millions of fans to make tree planting projects, cycle to work etc.

Blogger I follow talked a lot about it and when I got to know more information I became more concerned about the climate change.

Real people on **YouTube** covering natural disasters and the programs that cover what's happening to animals natural habitats because of climate change.

Well **social media** have made me think about climate change a lot and I really want to help with recycling.

Mark Rober and Jimmy Donaldson help clean up the ocean by removing 24 million kilograms of rubbish from the ocean.

Leonardo DiCaprio by spreading lots of info about climate change and what's happening in the surrounding environments.

Friends and **Greenpeace social media**.

My **TikTok idol** is Christian and half Nigerian, hearing her talk about it moved me. :)

Kurzgesagt changed my view on climate change because of their way of laying out information and the reassurance of scientific reasoning letting me know their info is reliable.

Certain **social media** accounts publish very sad but real facts and figures that are very shocking.

Channel 4 News' reporting on climate change seems most reliable to me because it **emphasises factual information and scientific evidence, rather than trying to give an opinion**, as a way to convince people of the importance of climate change.

I think **the news** has made me the most aware of climate change especially because of the headlines and pictures that come up.

Primarily **my family**. They always believed that climate change was a problem and didn't want to contribute to it. Also the **news (mainly BBC)** because I now take politics, economics and to an extent business where climate change is a prevalent subject. (as in I see a lot of information about climate change while doing politics, business and economics work).

I have seen on the **news footage** of very unfortunate young people even my age suffering.

I see on **the news** and at home that climate change is affecting many things on earth and I feel that it is important to get involved with fighting climate change.

The T.V when I watched the first time I thought "I need to get involved and help out"

News coverage, discussion with family and friends and reading around the subject have informed how I think about climate change, they provide a harsh reality compared to other watered down accounts or biased information from sources such as those in government, social media and celebrities.

Blue Peter because they made me aware of plastic pollution.

Watching programs that make you realise the shocking horror of what we are doing to our world. And things like that bring you to reality, that action is needed.

Newsround because they told me what was happening because of it **but also said how I can help**.

People on TV talk about what is happening around the world and say what they have done to help this inspires me to try and help protect our planet.

Seaspiracy and Cowspiracy, Netflix programs.

The **news and people around me** showing what it is doing to our climate.

Regular media exposure to the effects it's having made me more aware and care more.

The **news** because it shows the reality of climate change.

TV and it's trusting information.

Tony Heller - a proper climate scientist.

WWF animal protection charity on **TikTok** talking about all the animals and how it affects them all.

A selection of open comments

What or who has made a big difference to what young people think about climate change?

People my own age talking about climate change.

People who speak up about climate change (especially **younger people**) because it makes me worried for my future if we don't do something now

Everyday conversations normalising recycling, local and seasonal food and spending a day out on a hike rather than watching tv with friends.

The **social element** of how a changing climate effects **not only people here in the UK but on a global** scale is enough to take any steps I myself can - be that reducing my own emissions or trying to get involved in community action - do to reduce our impact on the climate.

All of the people in power screwing everything up and not taking it seriously- this inspires me because I realise the people who should be looking after the people they represent are doing such a poor job **I have to do it myself.**

All of the **people dying or suffering because of climate-change-related events-** this inspires me because it seems that only people affiliated with a certain side of the political spectrum give a damn about it and since there clearly is not being enough done (source-people dying) **I'm going to have to do it all myself.**

Vulnerable individuals who are more prone to the effects and suffer from it, I can empathise and it hurts me to know people in the world so affected by such small actions so **I'm angry and want to make a difference!!!**

The **climate change issue being spoken about more frequently** has made this issue rise in its importance.

The **weather changes are more visible** and apparent to me, and because of this, i can see real effects of climate change rather than just hearing about it from school or other sources.

I believe that the **increase in the energy price cap** has made people realise that the resources we use are not sustainable and will run out, and we have to act now if we are to make a difference and stop climate change from reaching the point of no return.

Pakistan floods.

People in **my church** have helped me have a clearer view about climate change from a biblical perspective. For example, I see that when God made us he told us to be “stewards” of the world so we need to look after it and care for it because God cares. Also the Bible tells us to love our neighbour and values self-sacrifice so I should be more willing to give up my comforts eg heating to help make the planet a safer place for more people.

My church also does alot to help climate change by also bringing up climate issues and how to change. we also pick up litter in the community and plant trees in the community.

No one because **I don't care about climate change.**

I don't know or care, I got better things to worry about.

I **don't care** much about climate.

I **wrote in to my MP** about objecting to a planning application that will destroy a large part of the habitat in our village, and **a councillor (Mr Workman) wrote back to me telling me that I had very valid points and I should carry on voicing my views** which gave me confidence that I can be heard if I speak loud enough.

Individuals in the **green party**, Caroline Lucas, Jonathan Porrit. Other figures like George Monbiot. Making sense.

Involvement in **the Labour Party.**

The **government** and how they have adverts in tv

I have seen a **lot of charities** on the TV. I feel that makes me feel like I want to help

I think **public speakers** have inspired me to think about our planet. They have done this by showing how this affects our future

Extinction rebellion and the **youth climate strikes.**

Extinction rebellion. Their introduction talk ""heading for extinction and what to do about it"" is a wake up call everyone needs. You don't realise just how catastrophically bad the situation is. However bad you think it is, it's 100 times worse.

I think lots of **climate activists** have made the government have a massive rethink about climate change.

Activists that I've met within my time organising and groups such as **Extinction Rebellion.**

Campaigners/protesters who sit on the road and refuse to budge, even for an ambulance have **negatively impacted my image** of a climate activist, rather than making climate change the issue and brining attention to it, they bring attention to **how annoying and sometimes cruel and stubborn** they can be.

People who fight for their beliefs about climate change

Forest Green Rovers (the football club) because they are always talking about ways on how we can be more environmentally friendly and they were the first organisation that made me think about veganism (I am now vegan)

Brands that sell more sustainable, plastic free alternatives being readily available and good advertising.

Ecotricity, using their customers money to manufacture and design more effective and efficient eco-friendly wind turbines, there are some disadvantages to this however I think it's a good idea, I learned about it in school today!

The then prince of Wales and current **King Charles III** being actively involved with raising awareness of climate change.

Also, a fictional book I read, **A Tree In Time, by Pam C. Golden**, showed me what life was like for the Mesolithic people, and how they lived in harmony with the world, animals around them and each other. It made me extremely aware of the difference between then and today, and made me determined to undo the damage the human race have done on our planet.