

Lawrence Weston



# Declaring our caring Lawrence Weston's Community Climate Action Plan 2022

Updated in 2024

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Let's make change with **Ambition** Lawrence Weston



# Introduction

**The climate and nature crises are not just about the environment – they are a social crisis too, and it is vital to tackle them together. There is a huge opportunity for bold, transformative climate and nature action to reduce, rather than exacerbate inequalities, and to improve the quality of life for people locally and globally. This requires ensuring that diverse communities and those most affected by climate and nature breakdown are able to shape our response.**

Bristol has a goal of reducing carbon emissions to net zero by 2030. The One City Environment Board published the One City Climate Strategy in February 2020, setting out a pathway of action on how Bristol can become carbon neutral and climate resilient.

Bristol's mammoth goal of being carbon neutral and climate resilient, whilst improving the lives of its residents, especially those most disadvantaged, will require the collective skills, knowledge and energy of the whole city. This community climate action plan for Lawrence Weston responds directly to this need. It centres the role of communities and community anchor organisations in this.

This plan has been developed as part of the Bristol Community Climate Action Project which aims to enable communities in Bristol to reduce their carbon footprints, support nature recovery and bring social benefits to local people.



The project aims to contribute to three significant impacts:

- A reduced risk of catastrophic climate change.
- A just and inclusive transition to net zero.
- Improved quality of life for local people (e.g. improved health and well-being, economic opportunity, resilience, social cohesion and improved biodiversity).

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# Who



**The Community Climate Action Project is a partnership of community organisations across the city: Ambition Lawrence Weston, Ashley Community Housing, Eastside Community Trust, Heart of BS13, and Lockleaze Neighbourhood Trust, coordinated by Bristol Climate & Nature Partnership, supported by the Centre for Sustainable Energy and Bristol City Council (Sustainable City & Climate Change Service). This partnership sees Bristol's communities stepping into a leadership role in the city, demonstrating their ability to respond to the challenges of climate change with effective, community-led action.**

The five core organisations involved in the project represent communities experiencing multiple disadvantages who have traditionally been excluded from the climate change debate and responses to it. Across the city, it is also disadvantaged communities like these that are most vulnerable to the impacts of climate change – extreme weather events, disruption to critical services which they rely on, instability in living costs, and so on. Any city simply looking to reduce its emissions as rapidly as possible would not start with disadvantaged and excluded communities, as households in these communities typically have the lowest emissions and environmental footprints in a city.

However, if our strategic response to climate change and nature breakdown is not informed by the critical insights and lived experiences of the diverse communities which make up our city, we risk designing solutions which further compound disadvantage; fail to respond to important social needs; entrench social and political division; and which aren't fit for purpose.



The project's learning and mentoring programme was launched in 2023, with the aim of supporting more, and more diverse, community organisations in Bristol with their climate action journeys.

Since then a further six community groups – Southmead Development Trust, Knowle West Media Centre, Windmill Hill City Farm, Hillfields Community Garden, Vassall Centre, BRICKS - have joined the programme and have been working with their local communities to co-produce climate action plans.

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# What



**During 2021, the core community partners, along with Bristol Disability Equality Forum, coproduced community climate action plans with the communities they represent, having done significant engagement with residents. They are now leading on local demonstrator projects, which respond to key priorities identified in their plans, and contributing to the city's new Community Leadership Panel on Climate and Just Transition. The project includes a climate and disability strand, which centres Bristol's community of Disabled people in climate and nature action.**

Since then, five more groups have launched plans, making 11 plans across the city so far. A further seven groups are due to develop plans in 2024/25. In 2023, all cohort 1 partners undertook engagement to revisit plan priorities and refresh them where needed, and the plans have been updated (June 2024) to reflect this.

This community climate action plan, and the approach to developing it, has been guided by the principle of a just transition to net zero which improves the quality of life and life chances of citizens, especially those experiencing disadvantage and inequality. Climate projects are often well intentioned, but frequently exploit excluded groups by demanding time for free to help them become “more inclusive”; and whilst some climate actions and solutions provide social and economic benefits, others make life worse for communities who are already excluded and experiencing disadvantage.

The Community Climate Action Project seeks to do things differently and believes the transition to net zero can and should be a once in a generation opportunity to challenge systemic inequality.

The project aims to build the knowledge and capacity of local community organisations, harness their knowledge and insights, and enable them to become leaders in the city's climate action.

The launch in 2023 of Bristol's Just Transition Declaration has created a strategic framework which further supports and guides the just transition ambitions of the community climate action plans and wider project activities. The Declaration sets out 10 principles that everyone working on climate change and nature loss in the city can use to make their plans as fair as possible.



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# Why community led climate action?

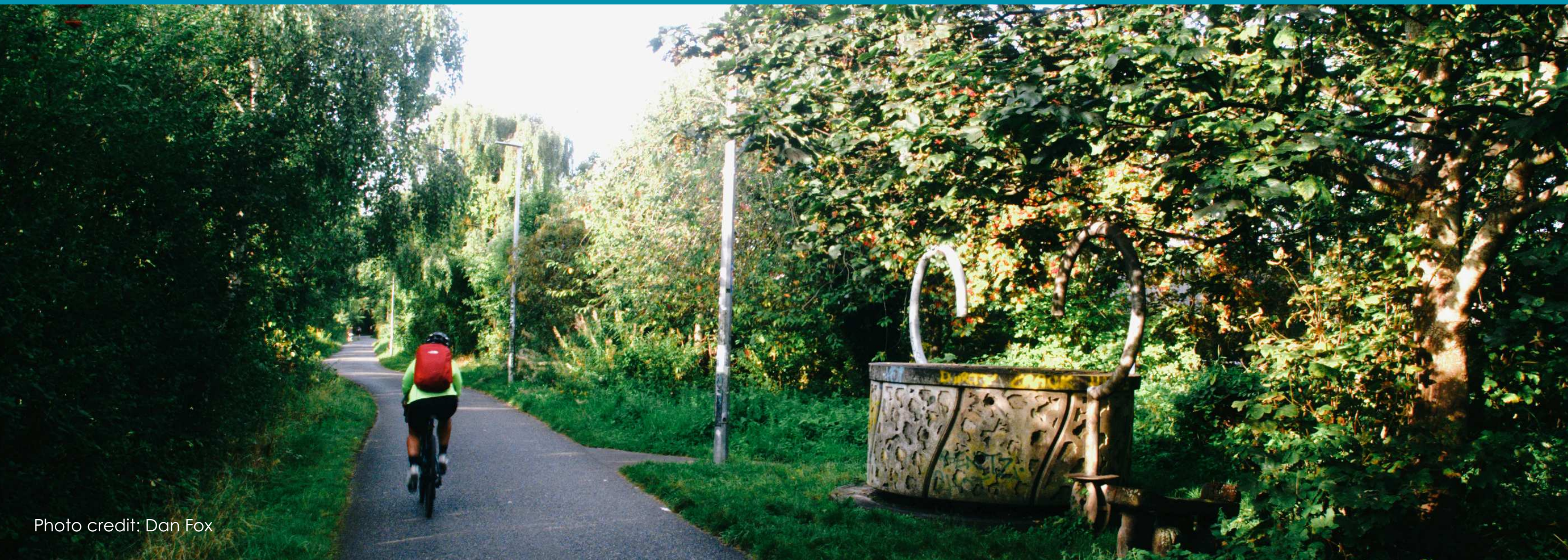
Climate action requires collective action. By working together we can take powerful community climate action which reduces carbon and improves lives.

The action we take as individuals and households is critically important. And the actions of businesses and organisations, too. But we can't solve the climate crisis without community.

In Bristol, community has been key to so much the city has achieved. It's people working together that makes real change happen. With community we can achieve great things.

During the Covid crisis, community organisations in Bristol showed significant leadership, demonstrating the critical role communities can play in responding to a crisis. The climate and nature crises are no exception.

Community organisations are also experts of their place and the lived experience of their community. They are trusted by residents, and so are well equipped to develop pragmatic and targeted solutions which work for their specific communities, rather than imposed from outside. Alongside governmental, business and individual action, community-level climate action is a critical piece of the jigsaw if we are to meet the city's ambitious 2030 zero carbon ambitions.





# Statement from Chair of Directors and Co-op councillor



"As the Chair of Directors for Ambition Lawrence Weston, it is a great honour to present to you our resident led community climate action plan for Lawrence Weston.

We have worked hard to consult and listen to our residents to co-produce this important document, that not only outlines our residents' aspirations to becoming carbon neutral by 2030, but highlights the co-benefits to their overall health and wellbeing with solutions to creating a healthy and sustainable future for all."

**Norman Routledge, Chair of Directors**



"I really value being able to hear the views of Lawrence Weston residents on this extremely important subject.

I know that there are particular challenges which face a community on the edge of the city; and I want the Council to have a better understanding of how we can make it possible for residents in every part of the city to live, and travel, in ways which promote better health and reduce carbon emissions."

**Don Alexander, Bristol City Council Labour and Co-op councillor for Avonmouth & Lawrence Weston ward**

# Our ambition



**Ambition Lawrence Weston (ALW) is a group of residents of a defined neighbourhood and community called Lawrence Weston situated in North Bristol. We came together to take action after a decline in services and closure of local facilities. In 2012 we formed a Charity and registered company limited by guarantee to improve living in our area. Ambition Lawrence Weston aims to reduce economic and social disadvantage experienced by many residents, increase participation in community life and to improve access to opportunities and services that residents need and deserve. Our work is directed and delivered by our residents, for our residents.**

Lawrence Weston is a friendly and vibrant neighbourhood where the word “community” really matters. It will become a community where residents of all ages, can live happy, healthy and fulfilling lives both now, and in the future. We want to ensure the creation of a mixed, well-balanced community with high-quality, energy-efficient, affordable accommodation. Residents will be able to travel safely on well-connected and affordable transport routes, and access high quality jobs, services and shops. They will be able to enjoy modern community, health and leisure facilities and an attractive environment which is safe, clean and well-maintained.

Ambition Lawrence Weston’s collective goal is to ensure a fair and just energy transition that benefits left behind communities to ensure we are benefitting from the positive impacts delivered when addressing climate change. Our aim is to improve the health and wellbeing of residents and ensure they are not left even further behind than the rest of society, whilst taking equal responsibility and delivery for the climate changes needed. We decide on this goal as it will not only help

address the climate emergency but also meet other priorities and needs faced and sustain climate awareness and delivery. By creating an accessible energy learning zone, it will demystify renewable energy, give engagement and awareness about climate change, involve communities in the energy transition, inspire the next generations of renewable energy engineers by involving schools, parents, young people, trades, and households. Upskilling trade people will support the current skill shortages that is restricting the delivery of new environmentally friendly ways of construction.



Photo credit: We Are Bristol © Evoke  
Pictures Lifestyle Photography





# Context: Our organisation

**Ambition Lawrence Weston is a community driven Regeneration Project for the Lawrence Weston community. Having carefully researched and published a detailed Community Development Plan (in 2013 and refreshed again in 2018), where our work is about ensuring that residents:**

- Can access quality and sustainable jobs, services and shops
- Can benefit from high quality education and training throughout their lives
- Can enjoy modern community, leisure and art facilities
- Can look after their physical, mental and spiritual wellbeing with access to high quality and appropriate services and support
- Will have secure access to adequate amounts of affordable, safe, nutritious and culturally appropriate foods
- Understand their rights and are empowered to make choices to improve their own lives
- Have access to safe and well-maintained green spaces and are actively involved in their upkeep
- Enjoy an environment which is looked after, safe and clean
- Can access healthy, sustainable and affordable homes for all stages of life
- Can travel safely on well-connected and affordable routes
- Feel part of a community which supports and looks after one another and is welcoming and inclusive
- Collectively celebrate the heritage and identity of the neighbourhood and plan carefully for its future
- Have a strong voice and can be at the heart of decision making locally

What makes us different is that we are genuinely a grass roots organisation, resident led and driven, working bottom up and influencing other stakeholders and decision makers at both local and national level. Our overall aim is to improve holistically the health and wellbeing of all residents in a direct delivery and strategic way. Our community plan outlines how we want to improve our area, which has historically missed out on external investment, by using resources available to us including partners, stakeholders and residents, along with making the most out of The Locality Act and My Community Rights to influence and enable a joined-up approach in improving what is not so good and build on the things that are already good. We produce a quarterly magazine 'On Your Doorstep' which goes out to every household, we hold monthly 'pop up' style catch up cafes where residents can come and talk to us, we have produced a 'welcome handbook' which includes all useful and relevant information about the community which is given to new residents through housing allocation teams and Estate Agents, use social media, hold community events, coffee mornings and alike to ensure we are reaching all community members new and old.

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Since incorporating in 2012, and becoming a registered charity in 2013, Ambition Lawrence Weston has secured the future of Lawrence Weston Youth Centre and prevented its closure, which provides a dedicated community hub. It has also successfully secured £1 million of funding from the Local Trust managed by The Big Local Lottery fund. Ambition Lawrence Weston facilitates the "Lawrence Weston Community Network" which brings together over 40 organisations (public and voluntary) working in or for Lawrence Weston to encourage information sharing, joint projects or initiatives and problem solving through peer support. ALW also facilitates the Lawrence Weston Neighbourhood Planning Group, the Local Authority's recognised planning forum which was set up to deal with all planning and land use issues in Lawrence Weston. Additionally, ALW supports a number of smaller groups and individual residents to come together to tackle issues within the local neighbourhood.



**"Fly dumping or tipping is the dumping of waste illegally instead of you using more authorised methods like curb side collection. Why is this a problem? It could harm the wildlife by trying to eat the dumped food, and secondly, it makes the place look trampy."**



Freddie (aged 12), volunteer litter picker

**Let's make change with Ambition Lawrence Weston**



# Community climate heroes

Three local men have come together to set up a new initiative in Lawrence Weston. They wanted to set up a project where they can use their trade skills as well as creating a safe place to bring men together. The project originally started with no home to speak of. They did weekly outreach at a local older peoples' residential home. LW were in talks with them to have a permanent container put on that site. However, as negotiations progressed, the home had a merger with another company which put the blockers on the Men in Shed project.

With that in mind and considering the growing popularity of the project, there was the option to move into the Lawrence Weston Youth Centre in a former self-contained lockable craft space which was unused at the time. The LW team removed the disused kiln (and stored it away safely) and renovated the room into a proper workshop. They subsequently expanded by adding a steel shipping container directly outside for their stock (wood, etc.) with it fence around to create a secure outside workshop. Ambition Lawrence Weston supported this idea and applied for some kickstart funding, and in 2019 'Men in Sheds' was born.

Nobby, Mike and Jim have a lot of skills between them that they could share and upskill local residents who wanted to learn something new. They were also keen to support items ending up in landfill unnecessarily. They run a repair café, where residents can bring either damaged or unwanted items along, have them repaired and take home, or donate to families in the local community for free. They have also been supporting Lawrence Weston in Bloom by making birdboxes and garden planters for the local community.



Men in Sheds are now exploring how they can be linked into the award winning CHEESE project (Cold Homes Energy Efficiency Survey Experts), as well as supporting other neighbourhood.

Watch the Men in Sheds Climate video [here](#).

**Men in Sheds**

**Come along and learn some new skills, share yours or you can bring along items to be repaired and we will do our best!**

Open Monday, Wednesday and Friday 10am-2pm and Some Saturday mornings at Lawrence Weston Youth Centre Workshop

Ambition Lawrence Weston Community Fund HOWDENS Quartet Community Foundation

# Community climate heroes

## Roger Sabido's journey into community energy- written by Roger

In 2012 I attended a talk which was part of the Bristol Festival of Ideas at the Create Centre, on the importance and even necessity of communities owning and building their own energy infrastructures, including wind. I had just begun to be involved with Ambition Lawrence Weston (ALW) and the talks were riveting eye-openers. ALW were in the throes of creating their first Community Plan, and he submitted the idea of owning our wind turbine and community energy group.

Time rolled on, making it clearer to us how important energy costs were to communities like ours, and how some communities were responding by building or taking a share in local wind and solar generation. BEN ran a fuel poverty workshop in 2014 introducing us to other BEN members which inspired me to get a energy group going in Lawrence Weston & invited David Tudgey to become ALWs community energy consultant and co-create and help deliver energy projects funded by The Big Local Trust and the Bristol Green Capital in 2015.

One of the projects he supported as part of the energy group with other BEN members was The Cold Homes Energy Efficiency Survey Experts <https://cheeseproject.co.uk/>, ALW were the original pilot recruiting local residents and champions to take part. We also ran community days to get DIY solar to inspire residents too which was fantastic and then this led to working with Bristol Energy Co-operative's drive to build a solar farm on Lawrence Weston Road. The case for community energy, even our own, now had real credibility.

The aspiration of building a community owned wind turbine became a firm part of the renewed Lawrence Weston Community Plan. I am also a founding member and Director of Ambition Community Energy CIC. An immense amount of work yet to come. But, fingers crossed, a tremendous achievement for a small, and poor, community; and our thanks to the generous support and backing from many individuals.



**"A tremendous achievement for a small, and poor, community; and our thanks to the generous support and backing from many individuals."**



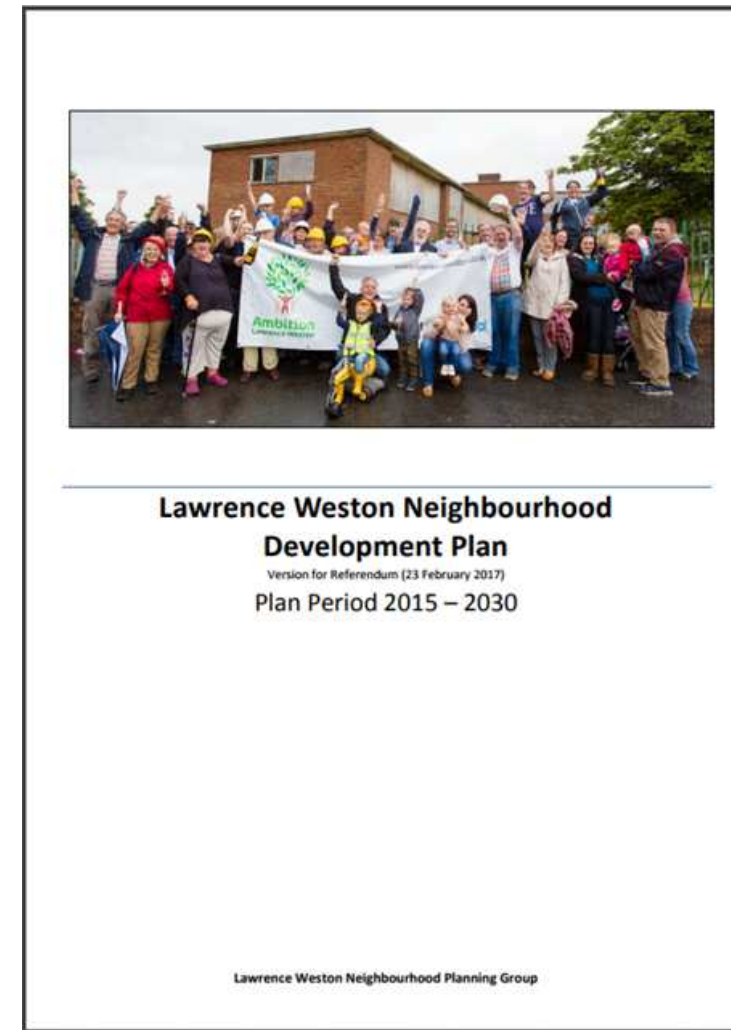
# Context: our community

## Community portrait

**‘What’s great/special/unique about our community’ is the fact that Lawrence Weston has a Neighbourhood Development Plan (NDP). This legal document sets out objectives on key themes including housing, traffic and transport, parks and green spaces, jobs and skills, community facilities, retail, health and wellbeing and urban design. Planning applications within Lawrence Weston must be considered against our NDP as well as existing planning policy. It supports achieving land-use objectives in the Lawrence Weston Community Plan. The NDP means local people now have more say in how Lawrence Weston will develop.**

The objectives of the NDP are:

- Promote sustainable development
- Encourage the provision of new housing on a variety of sites in general conformity with the Bristol Local Plan
- Provide a diverse range of tenures, forms and size of housing to encourage a wide variety of prospective residents to Lawrence Weston
- Ensure that the highest standards of building, public realm and landscape design are achieved and maintained
- Promote more sustainable, active travel options for the residents of Lawrence Weston
- Improve accessibility and connectivity between Lawrence Weston and the rest of Bristol
- Safeguard and create local employment through the provision of flexible commercial floor space in Lawrence Weston
- Create a more diverse and affordable convenience retail offer and support existing independent shops and services
- Safeguard and improve existing, and allocate new, community services and facilities



Work on the Lawrence Weston Neighbourhood Development Plan started back in early 2012. Initially residents were involved in putting together a Community Plan for the area. The Community Plan sets out a vision for the neighbourhood that reflects local needs and aspirations. Through the Community Plan process, Ambition Lawrence Weston, along with a sub group; the Lawrence Weston Neighbourhood Planning Group (LWNPG). The proposed Neighbourhood Planning Area put forward by LWNPG was designated by Bristol City Council (BCC) on 31 January 2013. LWNPG then successfully applied to be the Neighbourhood Planning Forum for that area and were designated as such on 1 May 2013. LWNPG has 30 resident members including the local councillors.

## What this means for our community

The NDP therefore enables the community plan and its aspirations to become a reality. It empowers local residents to have a louder voice that all prospective developers, including the local authority, must listen to. This also enforces engagement and consultation with, and between, local residents and developers, whilst strengthening the resident's ability to change proposed developments to better meet the needs of the local area and its residents.

Now that the NDP received overwhelming support through a local referendum it is now recognised as a statutory document with legal standing. This then attracts a higher level of the local element of community infrastructure levy (CIL). This fund can then be used to further improve the local area and deliver the community plan.

## Our community

'Residents living in Lawrence Weston face systemic inequality across their life course. There are 7,346 residents living in Lawrence Weston, of which 84.9% are living within the most deprived 20% of wards in Bristol, (Ministry of Housing, Communities and Local Government Indices of Deprivation 2019), with a lower-than-average life expectancy (Males 78, Bristol average 80 and Women 80, Bristol average 84) (Office for National Statistics 2013-2017). There are four lower super output areas (LSOA) in Lawrence Weston, and two of them are within the top 10% for deprivation in the country, 13% of our residents are over 65, which is higher than the Bristol average, and 46% of these receive a community-based service. 29% of our population is 0-15, again higher than the Bristol average. 16% of households are lone parent families and 18% are pensioner households. (Census 2011)



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Health inequalities arise because of the conditions in which we are born, grow, live, work and age. These conditions influence our opportunities for good health, and how we think, feel and act, and this shapes our mental health, physical health and wellbeing. Residents living in Lawrence Weston are living in deprivation, have a lower-than-average life expectancy, do well less at school and leave with no or few qualifications, have less job prospects and opportunities and live in poorer health with life limiting illnesses.



# Our baseline community carbon footprint – what did it tell us?

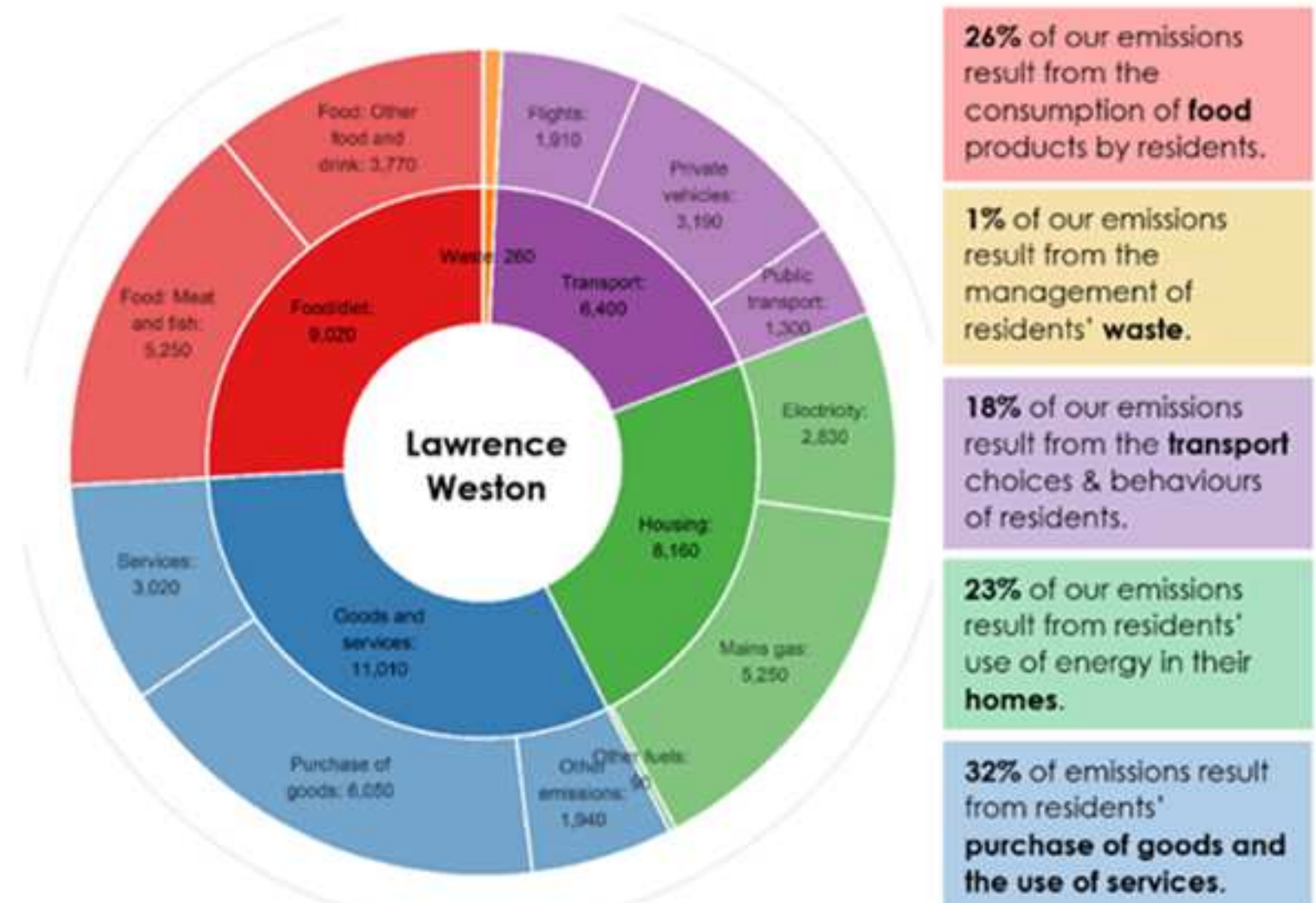


## Our community's carbon footprint report

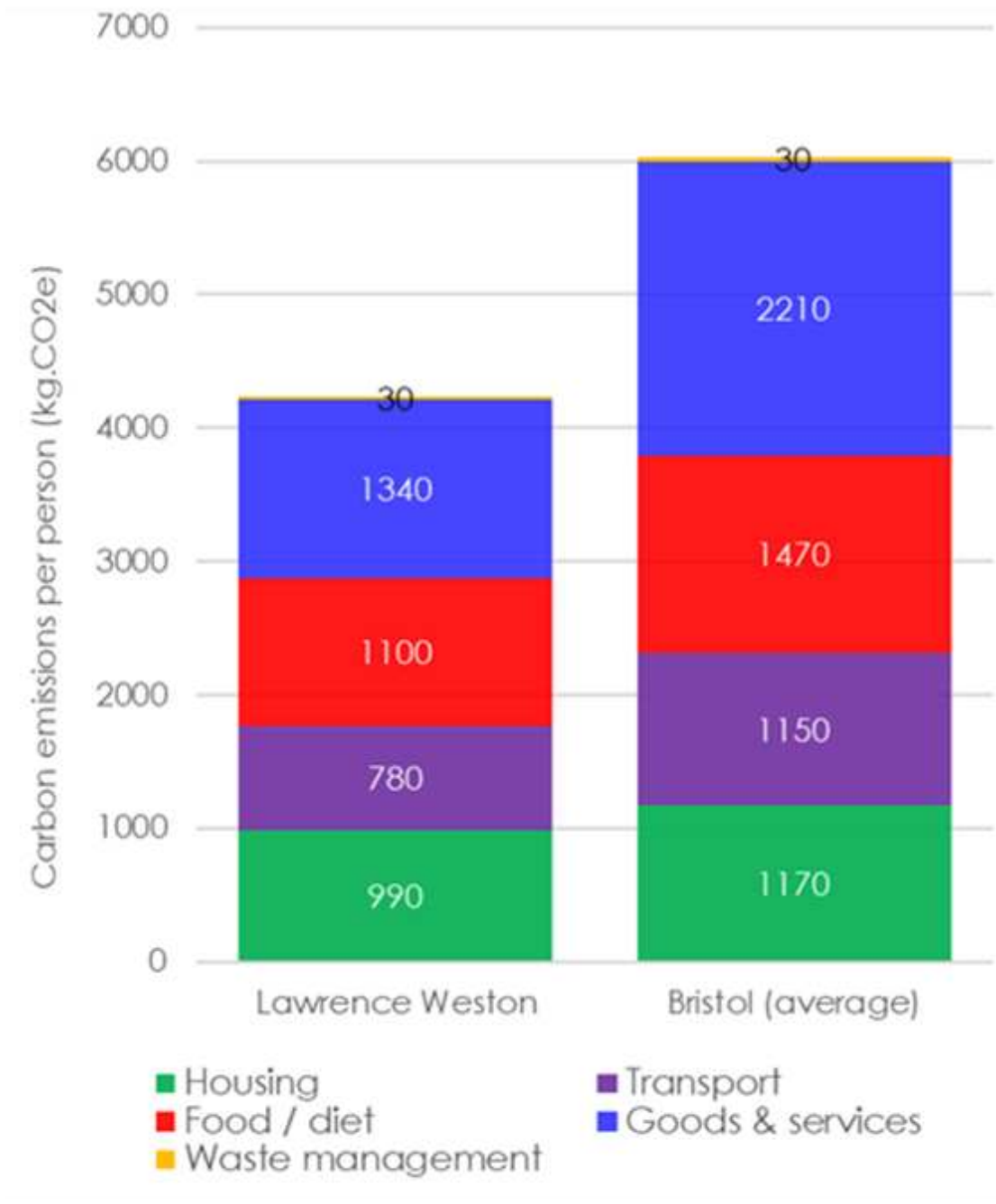
Our carbon footprint report, produced by Bristol charity the Centre for Sustainable Energy, showed us the scale of our community's carbon emissions and the main 'consumption activities' responsible for these emissions (that's why it's called a 'consumption-based' carbon footprint). Having a picture of what our community carbon footprint is helps us understand the activities which result in carbon emissions, and from here we can begin to think about the breadth of activities needed to reduce emissions, where to focus our attention, and to explore which activities are possible at the community-level, and which require Bristol-wide, national, or even global commitment and action. We were able to use our full Carbon Footprint report for our community as evidence to support the need for this plan and Community Climate Action. We used elements of the report to engage residents in different ways, for example emails, and social media posts.

## What did we learn?

Here is our community's total carbon footprint



And this is the average carbon footprint per household, and in comparison, to the Bristol average –



Summary of carbon footprint report

Lawrence Weston's carbon emissions follow the same pattern as Bristol, so no huge surprises for us. Our biggest carbon emissions come from Goods and services (17% are from buying goods, 9% from uses of services and 6% from consumption activities such as leisure and entertainment) which is the same as Bristol as a whole. Our lowest carbon emissions come from Transport (9% car use, 5% air travel and 4% public transport). Our overall carbon emissions per person is less than the Bristol average, but the repercussions on our residents is huge. The cost of food, petrol and energy rising, poor transport links, poor retail offer and rising sea levels impacts our community.







## Bristol climate context

The science on the climate emergency is clear: we need urgent action to reduce our carbon emissions to limit global temperature rise to below 1.5°C, and to prevent disastrous impacts. Climate-related risks to health, livelihoods, homes, food security, the environment, our flora and fauna, raw materials, water supply and economic growth will continue to increase in severity. Even if we manage to limit change to 1.5°C, the impacts will be felt differently in different regions. Populations most at risk are marginalised, disadvantaged and vulnerable. In Bristol, some of our most deprived wards will be the most exposed to the physical impacts of climate change.

**"This is an emergency. People are already suffering and dying from the consequences of the climate and environmental emergency but it will get worse. So what did we do during this crucial time? What we will do right now? Well I will not stand aside and watch, I will not be silenced while the world is on fire – will you?"**

**Greta Thunberg, February 28th 2020, Bristol College Green**

The potential impacts of climate change on our city and its residents are significant and wide ranging.

In the Bristol One City Climate Strategy (Preliminary Climate Resilience Assessment), evidence was gathered on physical climate risk to the city. Bristol's coastline is projected to increase by up to 72cm, winter rainfall is projected to increase by up to 48%, summer maximum temperature is projected to increase by over +9°C, and summer rainfall is projected to decrease by up to 68%.

The future climate is not certain. However, under a high (4.3°C) emissions scenario, by 2080, Bristol could expect to see a radically changing environment, including increased winter rainfall, higher sea levels, and very significant increases in summer heat. This milestone is the age today's primary school children will retire. These climate hazards present serious risks to Bristol's homes, businesses, schools, community assets, and critical infrastructure causing negative impacts to livelihoods, disruptions to our daily lives and a risk to life. These impacts will get progressively worse up to 2080.

Climate change is a complex challenge. We recognise the interconnected and global nature of the world, which exposes Bristol to potentially catastrophic climate risks arising well beyond the city's boundary. We also acknowledge our local, national and global responsibility to take bold and immediate climate action as a city, to increase the city's resilience in the face of these risks, and to share our successes and challenges openly and generously.



## Taking action in Bristol – One City Climate Strategy

Bristol has committed to reducing its carbon emissions to net zero, and becoming climate resilient by 2030. Bristol's One City Climate Strategy outlines the key changes across the city, and the UK, that will be needed to reach this goal. Whilst Lawrence Weston's households have a lower than Bristol-average carbon footprint, the community climate action plan has been an opportunity to engage our community's residents in tackling climate change. It explores how they can take the lead on changes in our community, and how we can ensure we maximise the social benefits that can come from these changes – warmer and more affordable-to-heat homes, quieter and safer streets, cleaner air.

Our natural environment is critical to our well-being and the climate resilience of our city. Preserving and supporting the green spaces of Lawrence Weston will decarbonise the air we breathe, improve our mental and physical health. It will also reduce the risk of flooding and extreme temperatures (the two major climate change risks facing Bristol in the coming years), and act as a carbon 'sink' (absorbing carbon from the atmosphere).

## Taking action in Bristol – Ecological Emergency Strategy

In February 2020, Bristol declared an ecological emergency in response to the decline in wildlife in the city. In September 2020, the Ecological Emergency Strategy for Bristol was launched as the city's first coordinated effort to confront the decline in nature.

The strategy sets out the key ecological actions we need to take to achieve a carbon neutral and climate resilient city by 2030 and consists of four goals:

- Space for nature - for 30% of land in Bristol to be managed for the benefit of wildlife.
- Pesticides - to reduce the use of pesticides in Bristol by at least 50%.
- Pollution - for all waterways to have excellent water quality which supports healthy wildlife.
- Our wider footprint - to reduce consumption of products that undermine the health of wildlife and ecosystems around the world.

[You can read a full summary of the recommendations from the Bristol's Ecological Emergency Strategy for the city here.](#)

We have given consideration to the ambitions of both these key strategies when developing the priorities of our community climate action plan.



Photo credit: Bristol Design

## Bristol City Leap

Another development significant to the communities working on community climate action is the Bristol City Leap programme. This is a 20-year joint venture partnership between Bristol City Council, Ameresco and Vattenfall Heat UK. It is designed to enable the delivery of over £1 billion of investment into Bristol's energy system at a time when the UK is struggling to match resources to the scale of change needed to address climate change and the energy/cost of living crisis.

What will City Leap do?

- Significant expansion of Bristol's Heat Network to provide the city with reliable affordable low carbon heat from sustainable sources.
- Solar panels and low carbon heating systems for local schools.
- The council's social housing will be made more energy efficient to tackle the cost-of-living crisis.
- Substantial investment will go into community-owned renewable energy projects.

## City governance

Following a public referendum in May 2022, a significant change in Bristol's governance arrangements has been in place since May 2024, which could change how decisions are made in relation to climate and nature priorities. Bristol has shifted from a Mayor and Cabinet model to a committee system, led by 70 councillors, representing 34 wards. One councillor has been appointed by Full Council as the Leader of the Council.



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# Beyond Bristol

## The West of England Combined Authority

The city of Bristol is located within the West of England Combined Authority (WECA) area and some significant climate and nature central Government funding and policy comes through WECA and impacts Bristol communities. This includes some aspects of strategic transport, skills and development of major developments along with some aspects of land use planning and the planning of housing. The WECA covers the council areas of South Gloucestershire and Bath & North East Somerset, as well as Bristol. It does not have elected councillors, only the Mayor is elected. Similar two-tier arrangements are in place in most of the larger cities/conurbations across England.

In 2022, the [Climate and Ecological Action Plan for the West of England](#) region was launched.

## National context

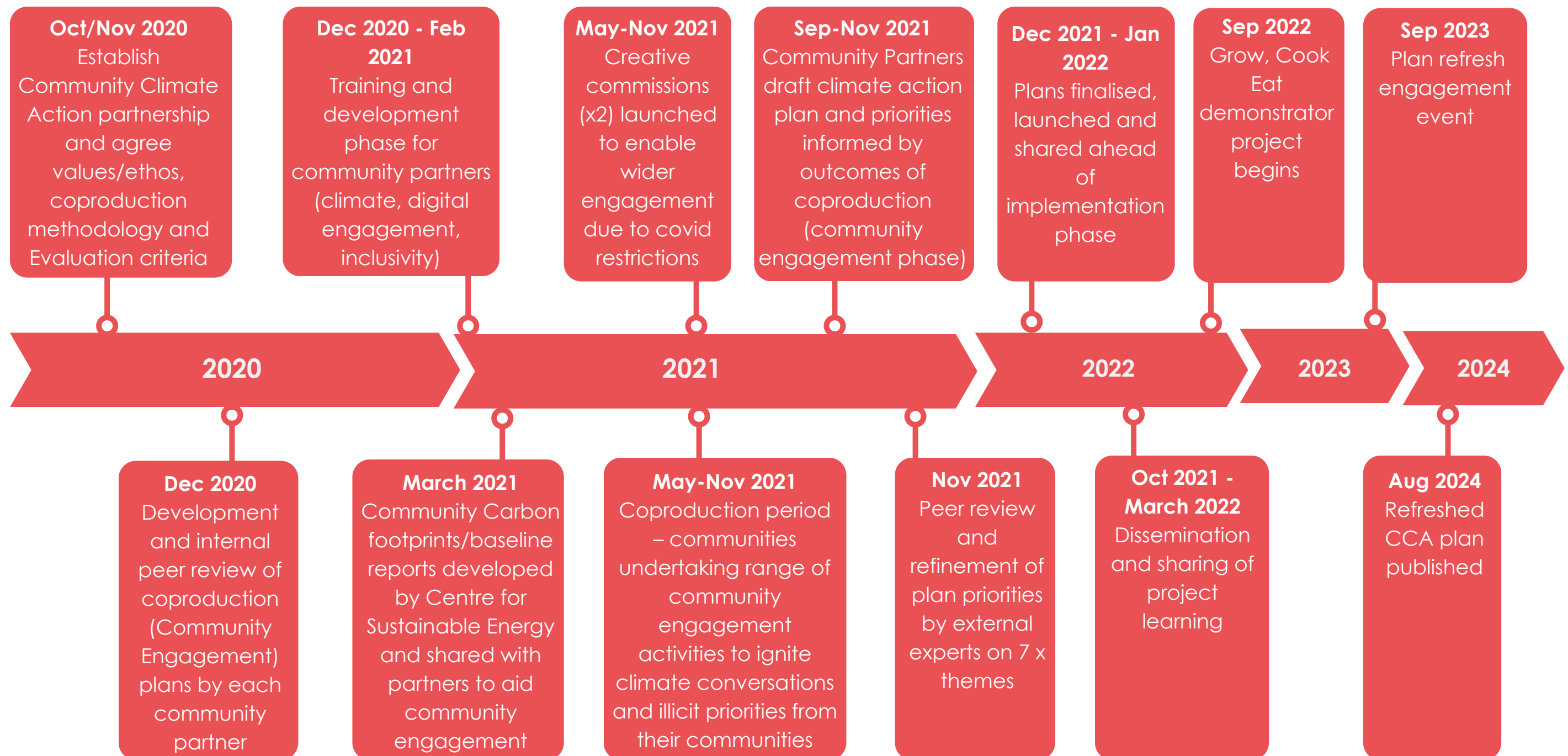
Many of the actions communities want to see are not under the remit of local councils or Combined Authorities. We feel it is important to include these nonetheless - often local authorities can play a role allying with local communities to lobby central government for legislation, funding or policy change.





## How we developed this plan

This plan was developed as part of the Bristol Community Climate Action Project. The Project Group (6 x community partners, Bristol Green Capital Partnership, Bristol City Council and Centre for Sustainable Energy) met regularly (on average twice a month) throughout the development phase. The flowchart below captures the main elements of the methodology to create Bristol's first Community Climate Action Plans:



### Throughout:

Connecting city partners – through speed dating sessions and regular 'meet the city partner' slots at meetings to build knowledge and networks, updates to advisory board/BACCC/Environment Board

Project communications throughout – by community partners and BGCP via press, website news articles, social media, podcasts, radio shows, films, creative commissions



# Our methodology



## Impacts of Covid pandemic

**The development of this plan happened during the Covid 19 pandemic, including: lockdowns, school closures, societal distancing measures and furloughing of staff.**

Covid compounded many of the existing inequalities experienced by many in our community. Loss of employment/income, school closures, social isolation, food and fuel poverty and declining mental health all had a significant impact on our community. The backdrop of the pandemic and its impacts made engaging people with climate change/action more challenging.

The analogy of the pandemic being a great leveller was commonplace, but as author Damian Barr put it 'We are not all in the same boat. We are all in the same storm. Some are on super-yachts. Some have just the one oar.'

A pre covid quality of life survey for Bristol highlighted that 88% of the city's residents were concerned about climate change and a post covid survey of public opinion by Climate Outreach recently found that people's concern about climate change remains high. But just as the recent Intergovernmental Panel on Climate Change's (IPCC) report has been described as a 'code red for humanity', we also need to acknowledge and respond to the fact that many in our communities are also experiencing a 'code red' for their mental, physical and economic wellbeing following the pandemic.

An important starting point for developing this plan has been taking time to listen and really understand where local people 'are at' in their

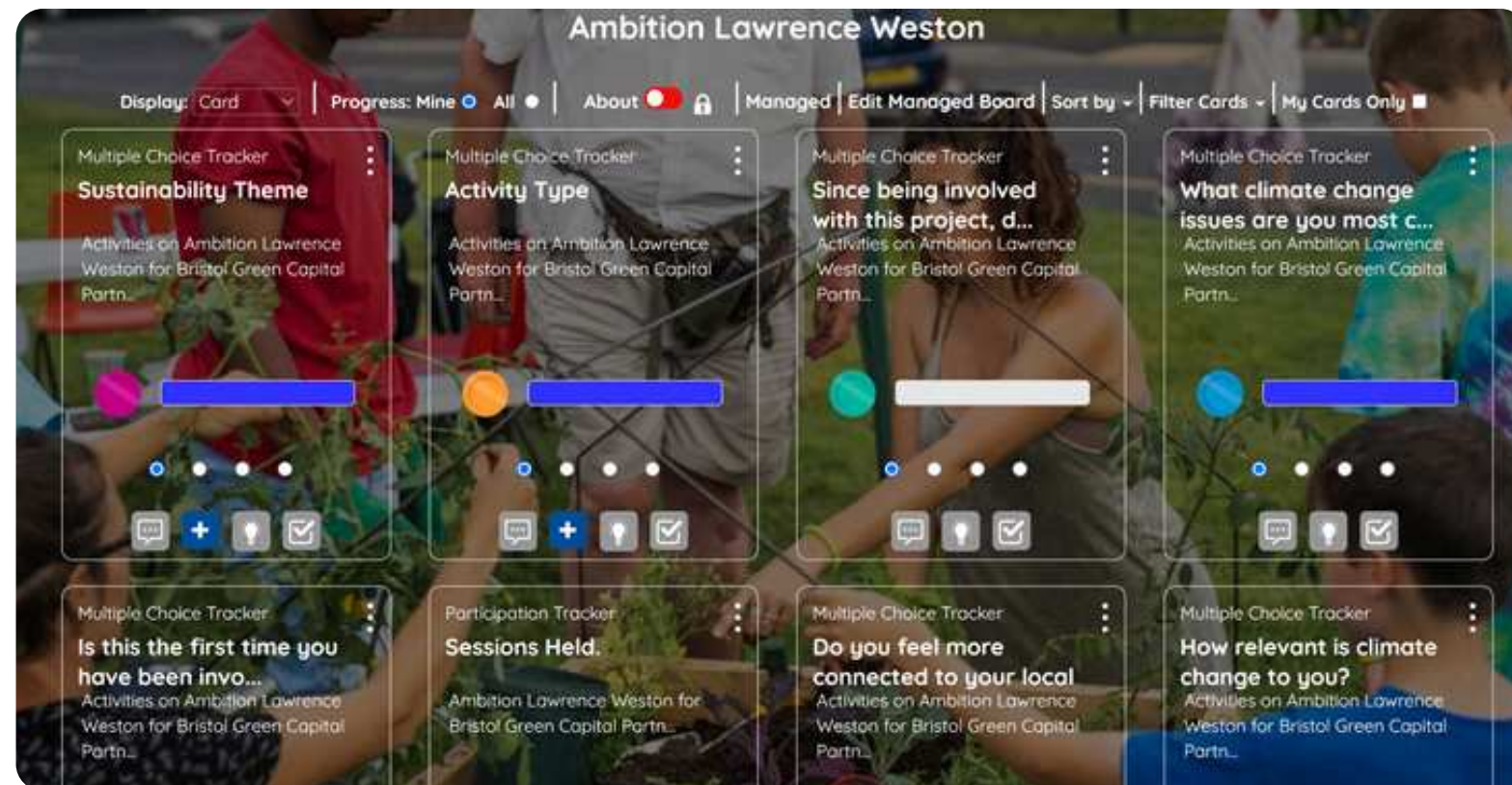
lives following the pandemic. The Climate won't necessarily be a priority for many as they emerge from the impacts of covid, not because they don't care, but because they have so many other immediate pressures in their lives - cuts to Universal Credit and the fear of having to choose between keeping warm and feeding themselves due to the rise in gas bills this winter. One resident involved in the CCA project shared 'it's not that I don't care about climate change, I really do, but if you're in pain right now (emotionally, financially), it's hard to think about dealing with pain that might come tomorrow (in terms of climate change) when you're consumed with dealing with the immediate pain of today (rent, fuel bills, childcare, unemployment, mental health).

This is where our plan's focus on co-benefits for local people alongside carbon savings impact is essential. As our community recovers from the pandemic our ambitions a net carbon Bristol must also have improved quality of life and for residents and social justice at its heart. The most significant practical implication of covid on the coproduction of this plan was on the ability to deliver face-to-face community engagement early on in the project. This meant we had to adapt our planned community engagement methodology, using digital engagement, working with smaller groups and programming community events later in the process.

Overall covid has impacted the breadth and number of people we have been able to engage with, but we have worked creatively around the restrictions to try and involve a broad range of citizens from our community in both climate conversations and the development of our climate action priorities.

We took a mixed methods approach towards our consultation using both qualitative and quantitative methods. This approach ensures that the data can improve an evaluation by ensuring that the limitations of one type of data are balanced by the strengths of another. This will ensure that understanding is improved by integrating different ways of knowing.

We developed an online survey consisting of different sets of questions to gather residents' initial thoughts on a wide range of topics, asking some in-depth questions about their lifestyle habits as well as asking for ideas and solutions to combat the climate emergency locally. The survey was 'live' between July and September, and in total we had over 150 responses from local residents. During this period, we simultaneously hosted a wide range of workshops and activities focussing on in-depth rich data using focus groups, workshops and discussions, spending the time to delve deeper into some of the most pressing issues that affect our residents. These workshops were for anyone living in Lawrence Weston, of any age, and we covered a range of topics including litter picking, cooking, winter salad window box making, creative solutions to cleaning your home, learning to cycle, nature drawing workshops, community gardening and growing. For a full breakdown of all the activities and workshops we conducted, see appendix (XX).



All of this data was brought together and analysed and grouped into initial 'Themes'. We then held a Community Event in October 2021 to finalise all of the residents' priorities. Darren Jones MP opened our event with his keynote speech. We took all of the information that had been collected through the online survey, activities and the various workshops that we had delivered across the summer and really deep dived with residents to prioritise what matters to them and developed our final action plan. The Workshop Objectives were:

- To provide feedback on the results of the consultation
- To prioritise actions that should be taken in Lawrence Weston
- To feed into the community climate action plan for Lawrence Weston

We spent the afternoon going through each theme and adding in any tweaks as well as looking for other opportunities, fine tuning the priorities as well as finalising each of the project ideas and proposals.

**Let's make change with Ambition Lawrence Weston**



## Key findings from this process

Residents' views and priorities are set out within the tables below in themes, along with both the carbon impact and the co-benefit impact of each priority. It comes to no surprise that under each theme there are issues that have been affecting our local community and residents for a long time, but residents have thought about these priorities in a different way. One example of this is public transport which is a huge issue for our community. We live on the northern fringe of the city and have poor links to the rest of Bristol, the high cost, infrequent, uncomfortable and unreliable bus service has poor links to train stations and park and rides, residents have to travel an hour to get into the centre of the city and has poor links to neighbouring communities.

There were also other synergies with our Community Development plan, which highlights the priorities of residents have not shifted, although this plan focusses on both carbon emissions as well as improving the quality of life for all.



In June 2023 we held an event where we were celebrating the opening of the wind turbine, and what a great time to do the refresh of our community climate action plan priorities. The event was attended by around 150 people and had keynote speakers including WECA Mayor Dan Norris and Councillor Kye Dudd.

The original flipcharts of resident's priorities were bought back out and we asked residents to relook at what was a priority then. We asked, is it still a priority? Is it completed? And anything else to add?



We also took the opportunity to showcase some of our work and projects of what we have been up to over the first year of the project.

This was then analysed and updated into the current priorities for residents living in Lawrence Weston.



# Priorities and actions



**Residents' priorities and actions to achieve them have been grouped into seven key climate themes – Transport, Homes and Buildings, Energy, Food, Waste and Resources, Nature and Business, Economy and Education.**

The following priorities and actions were developed with the local community through our community engagement process and refined with support from Bristol Climate & Nature Partnership and various community climate action partners from across the city. There is also crossover and connection with the priorities developed by partners in other geographic neighbourhoods in the city: Southmead, Knowle West, Bedminster, Brislington, Hillfields, Lockleaze, Easton & Lawrence Hill, Hartcliffe & Withywood, Lawrence Weston and with the citywide priorities in the community climate action plan of Bristol's Community of Disabled People and Bristol's community of refugees and asylum seekers.

We have scored the priorities according to the monetary cost (Resource: Cost), staffing and effort required to achieve it (Resource: People), potential reductions in carbon emissions (Impact: Carbon) and positive impact on the community through social benefits (Impact: Community benefits). While not exhaustive, we have also listed some key stakeholders and potential collaborators, many of whom are already doing work related to the priority and whose support and leadership will be critical to success. Some of these stakeholders have not yet been involved in developing the plan. Rough timescales for implementation of priorities have also been noted to highlight quick wins alongside significant strategic changes that will take sustained, long-term and citywide action.

## Scoring definition

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

## Timescale

1-2 years (quick win)

3-5 years (medium term larger scale)

5-10 years (significant or complex)



## Criteria scored

Resource: cost

Impact: carbon benefits

Resource: people/time

Impact: community benefits



# Priorities: Transport

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Develop a community owned electric car club scheme	<ul style="list-style-type: none"><li>Private Car Company</li><li>Enterprise</li><li>Bristol City Council</li><li>Western Power Distribution</li><li>WECA</li><li>Bristol Energy Network</li><li>Ambition Lawrence Weston</li><li>South West Energy Hub</li><li>City Leap</li><li>Housing developers</li></ul>	3  Electric car charging points  Rapid charging points  Electric cars  Business plan  Legal costs	2  Maintenance  Operations and management contract to manage all vehicles and charge points  Membership manager  Bespoke software working with Malvern Hills to manage bookings and payments  Governance structure	3  Reduction in petrol and diesel cars on road (Car club cars produce 72% lower emissions (PM2. 5) than the average car*. The positive impact is amplified by the fact that 18.5 private cars* are replaced by each car club vehicle).	3  Better air quality  No need to purchase/run own car  Access to a vehicle  Reduced noise pollution	Short to medium term
2. Improved integrated transport systems - citywide	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Bristol City Council</li><li>WECA</li><li>First Bus</li><li>Stagecoach</li><li>Great Western Railway</li><li>Uber</li><li>South West Energy Hub</li><li>TravelWest</li><li>SevernNet</li><li>City Leap</li><li>Transport Planning</li></ul>	3  Staff time to look at user cases based on travel patterns	3  Lobbying	4  Reduction in petrol and diesel cars on road	4  Better air quality  No need to purchase/run own car	Short to medium term





# Transport

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
3. Improved walking and cycling routes and creating safer spaces on roads for active transport	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Bristol City Council</li> <li>Sustrans</li> <li>SevernNet</li> <li>Life Cycle</li> <li>Bristol Waste</li> <li>Bristol Walking Alliance</li> <li>A Disabled People's Organisation</li> </ul>	2  Capital costs	2  Staff time  Project co-ordinator	4  Reduction in petrol and diesel cars on road	4  Improved Physical health  Reduced noise pollution  Improve air quality  Improved green spaces	Short to medium term
4. Create a mobility hub in Lawrence Weston to include E-Scooter/Bike scheme and community owned electric bikes as well as connecting to bus routes	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Private Companies</li> <li>Bristol City Council</li> <li>WECA</li> <li>City Leap</li> <li>A Disabled People's Organisation</li> </ul>	3  Capital costs  Electric bikes  Community charging points	2  Management of scheme	4  Reduction in petrol and diesel cars on road	4  Improved Physical health  Better air quality  Reduced noise pollution	Short to medium term

# Priorities and actions: Transport



**PRIORITY 1. Develop a community owned electric car club scheme or link into the city-wide car club scheme that currently does not come out to our community.**

**ACTIONS:**

- a. Potential to develop our own scheme for our local ward area, if b. is not possible
- b. Link in with city wide car club scheme to extend the scheme to include our ward
- c. A range of electric vehicles for community use including electric cars, E-bikes and Cargo bikes, including fully accessible modes
- d. Rapid chargers for business vehicles around the community and surrounding areas

**PRIORITY 2. Improved integrated transport systems**

**ACTIONS:**

- a. Affordable and accessible transport for all, that allows people to transition from different modes of transport seamlessly under one ticket, that is more cost effective than car ownership to include trains, buses and park and ride.
- b. Improve routes across the city, especially learning venues and hospitals
- c. Reliable, cheap, comfortable, fast, frequent public transport to include trains and taxis

**PRIORITY 3. Improved walking and cycling routes**

**ACTIONS:**

- a. Better access to cycle racks and routes across the community and include Route 41 for better access to employment opportunities
- b. Maintained and clean pavements around the community to ensure better connectivity for residents including improved access for disabilities
- c. Encourage bike use with bike clubs, learn to cycle courses and safe routes for everyone

**PRIORITY 4. Link up with (or create our own) E-Scooter/Bike scheme and community owned electric bikes at a central mobility hub**

**ACTIONS:**

- a. Link up with the city-wide schemes as they currently don't extend as far as our community to reduce car journeys for small journeys
- b. Create our own ward wide E-scooter or Bike scheme
- c. Have a fleet of E bikes for residents to be able to use on loan to encourage use
- d. Ambition Lawrence Weston staff to have Electric bikes, cargo bike and car to travel around\*

**These actions are linked to:**

1. West of England Local Cycling and Walking Infrastructure Plan 2020-2036
2. West of England Bus Service Improvement Plan
3. Lawrence Weston Community Plan 2018-2022
4. Citizen Assembly recommendations
5. Lawrence Weston Neighbourhood Development Plan
6. One City Climate Strategy
7. Lawrence Weston Design Statement
8. Bristol Disabled People's Manifesto 2016

\*New priority





# Priorities: Food

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Support more local growing projects	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Allotment Association</li> <li>Lawrence Weston in Bloom</li> <li>Gardening Groups</li> <li>Local schools including childcare providers</li> <li>Incredible Edibles</li> <li>Avon Wildlife Trust</li> <li>Blaise Nursery</li> <li>Friends of the Earth</li> <li>Bristol Food Network</li> <li>A Disabled People's Organisation</li> <li>Heart of BS13</li> </ul>	3  Upfront costs  Materials  Capital costs	3  Management of projects  Staff time	3  More biodiversity  Less demand on shop bought edibles  Less packaging and waste	4  Better access to healthier food  More cost effective  Reduce social isolation  Improved green spaces	Quick win
2. Community cooking classes	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Food Club</li> <li>North West Food Bank</li> <li>Allotment Association</li> <li>Incredible Edibles</li> <li>Lawrence Weston in Bloom</li> <li>Gardening Groups</li> <li>Bristol Food Network</li> <li>Local schools</li> <li>Avon Wildlife Trust</li> <li>Resource Futures</li> </ul>	2  Venues  Ingredients  Recipe books	2  Facilitators	3  Reduction in food waste  Reduction in plastic packaging  Reduction in meat	3  Healthier Diet	Short to medium term
3. Set up a community fridge and freezer	<ul style="list-style-type: none"> <li>Co-op</li> <li>Ambition Lawrence Weston</li> <li>Foodbank</li> <li>Lidl</li> <li>Neighbourly</li> </ul>	1  Fridge  Running costs  Commitment from local stores	2  Volunteers or staff time	3  Reduction in food waste	3  Food distributed and not going to landfill  Financial benefit for residents	Short to medium term
4. Commercial food waste collection	<ul style="list-style-type: none"> <li>Bristol Waste</li> <li>GENeco</li> <li>Ambition Lawrence Weston</li> <li>Resource Futures</li> </ul>	1  Bins  Collection of bins	2  Staff	2  More food waste going to GENeco for biomass production	Reduced fuel poverty	Short to medium term

# Priorities and Actions: Food



## **PRIORITY 1. Support more local growing projects**

### **ACTIONS:**

- a. Local food growing schemes across the community, linked with Lawrence Weston in Bloom, educating people about how and what to grow
- b. Work with the local allotments to disperse extra produce to those most in need
- c. Community herb and veg plots across the community that anyone can access
- d. Support residents to grow their own at home or in window sills
- e. Children's community garden as well as local schools having their own growing gardens

## **PRIORITY 2. Community cooking classes**

### **ACTIONS:**

- a. Focus on learning to cook with fresh ingredients for residents
- b. Meat free options for meals
- c. Batch cooking and using leftovers to save money and reduce waste
- d. Work with schools to ensure cooking from scratch is on the curriculum, this is to be extended to after school clubs
- e. Promote seasonal eating and locally sourced produce to residents

## **PRIORITY 3. Set up a community fridge**

### **ACTIONS:**

- a. Install a new community fridge in the new community hub
- b. Work with local food distributors to reduce the amount of food being wasted and redistribute to residents in Lawrence Weston
- c. Skill up local residents to become fridge volunteers to manage the community fridge

## **PRIORITY 4. Commercial food waste collection**

### **ACTIONS:**

- a. Work with Bristol Waste and/or GeNeco to start a commercial food waste collection service

### **These actions are linked to:**

1. Lawrence Weston Community Plan 2018-2022
2. Citizen Assembly recommendations
3. Lawrence Weston Neighbourhood Development Plan
4. One City Climate Strategy
5. One City Ecological Strategy
6. Bristol biodiversity action plan – for people and wildlife
7. A One City Food Equality Strategy for Bristol 2022 – 2032
8. Lawrence Weston Design Statement
9. Bristol Disabled People's Manifesto 2016





# Priorities: Nature

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Gardening project helping elderly and disabled residents maintain their gardens	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Lawrence Weston in Bloom</li><li>Gardening Project</li><li>Men in Sheds</li><li>Local volunteers</li><li>Social enterprise</li><li>Blaise Nursery</li><li>Friends of the Earth</li><li>Resource Futures</li><li>BDEF</li></ul>	2  Set up costs  Materials  Tools  Disposal licence?	2  Project management  Staff costs	3  More biodiversity within the community  Better habitat for local wildlife  More trees planted	3  More appealing neighbourhood  Financial benefit of not buying tools unnecessarily Improved mental health  Improved safety  Improved green spaces	Quick win
2. Create habitual spaces for wildlife within new buildings and infrastructure and housing developments to include sustainable urban drainage ie creating soak aways and ponds where appropriate.	<ul style="list-style-type: none"><li>Avon Wildlife Trust</li><li>Ambition Lawrence Weston</li><li>Men in Sheds</li><li>Lawrence Weston in Bloom</li><li>Bristol City Council</li><li>South Gloucestershire Council</li><li>Bristol Natural History Consortium</li><li>One City Environment Board</li><li>Friends of the Earth</li></ul>	3  Capital costs	3  Staff time  Project co-ordination	3  Protecting the biodiversity  Sustaining wildlife populations  Creating wildlife corridors  Improve air quality	4  Improved mental health  Creating nature walkways  Improved physical health  Improved air quality  Improved mental health  Improved green spaces	Medium term



PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
3. Reduce the use of pesticides Protect our ecosystems by reducing the use of harmful pesticides Find an alternative to harmful pesticides	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Avon Wildlife Trust</li><li>Lawrence Weston in Bloom</li><li>Soil Association</li><li>One City Environment Board</li></ul>	1  Campaign costs	1  Staff costs	3  Sustaining and protecting local wildlife	3  Pesticides not being consumed on food	Quick win
4. Helping young people engage with nature * link to jobs/economy theme	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Local schools and childcare providers</li><li>Youth clubs</li></ul>	1  Campaign costs	2  Staff costs  Project management	2  Improved green spaces	2  Improved mental health  Improved green spaces	Quick win





# Priorities and Actions: Nature

## **PRIORITY 1. Gardening project helping elderly and disabled residents maintain their gardens**

### **ACTIONS:**

- a. Community project that enables residents to look after and maintain their gardens as well as support those who can't
- b. Set up a local 'Tool Bank' including electric or refurbished tools for the community
- c. Work with local residents who want to look after, and improve their street or local green space, including accessible gardening projects across the community

## **PRIORITY 2. Create habitual spaces for wildlife within new buildings and infrastructure**

### **ACTIONS:**

- a. Assessment of existing wildlife and management plans for redline protected species such as amphibians, reptiles, bird and bat populations and water voles
- b. Identifying suitable sites for improvement, including green spaces as well as buildings and wilding up concrete pockets
- c. By improving grasslands and planting trees (tiny forests) we are sequestering carbon and reducing particulate matter, fine dust (PM10 and PM2.5) from the atmosphere therefore improving local air quality.

## **PRIORITY 3. Reduce the use of pesticides**

- a. Protect our ecosystems by reducing the use of harmful pesticides
- b. Find an alternative to harmful pesticides

## **PRIORITY 4. Helping young people engage with nature**

### **ACTIONS:**

- a. Create more spaces for young people to engage with nature
- b. Work with schools and youth clubs to ensure that nature is included on the curriculum or activity schedule
- c. Provide school holiday activities that include nature based activities
- d. Support the local forest school

### **These actions are linked to:**

- 1. Lawrence Weston Community Plan 2018-2022
- 2. Citizen Assembly recommendations
- 3. Lawrence Weston Neighbourhood Development Plan
- 4. One City Climate Strategy
- 5. One City Ecological Strategy
- 6. Bristol biodiversity action plan – for people and wildlife
- 7. A One City Food Equality Strategy for Bristol 2022 – 2032
- 8. Lawrence Weston Design Statement
- 9. Bristol Disabled People's Manifesto 2016



# Priorities: Waste and Resources

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Recycling (free) collection for bulky items A managed excess building materials reuse scheme	<ul style="list-style-type: none"> <li>Bristol Waste</li> <li>Bristol City Council</li> <li>Social enterprise</li> <li>Ambition Lawrence Weston</li> <li>Resource Futures</li> </ul>	1  Community generated subsidies and funds	2  Extra staff needed	2  Older appliances contain Freon g as which depletes the ozone layer	3  Dispose properly of potential hazardous materials which could be poisonous to humans, plants and wildlife and contaminate soil	Quick win
2. Support existing, and set up new projects that reduce waste and consumption	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Men in Sheds</li> <li>SevernNet</li> <li>Lawrence Weston in Bloom</li> <li>Community shop</li> <li>Blaise Nursery</li> <li>Resource Futures</li> <li>A Disabled People's Organisation</li> </ul>	2  Set up costs  Running costs	2  Staff time  Project management	2  Reduce items going to Landfill	3  Financial benefits Reduce social isolation  Improved mental health	Short to medium term
3. Reduce single use plastic	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>Local traders</li> <li>Supermarkets</li> <li>Resource Futures</li> </ul>	2  Campaigning  Provision of alternatives to single use plastics	1  Lobbying	3  Reduction of microplastics in the environment	3  Improved mental health  Cleaner neighbourhood  Pride of place  Improved green spaces	Short to medium term
4. Identify potential biogas (as well as hydrogen from electrolysis – powered by renewable energy) vehicles for commercial distribution vehicles	<ul style="list-style-type: none"> <li>GENeco</li> <li>Resource Futures</li> <li>Bristol Waste</li> </ul>	2  Capital costs	1  Staff time	3  Less commercial waste going to landfill  Less diesel vehicles on the road	3  Better air quality  Reduced noise pollution	Quick win





# Priorities and Actions: Waste and Resources

## **PRIORITY 1. Recycling (free) collection for bulky items**

### **ACTIONS:**

- a. A managed collection of bulky items to ensure correct disposal and reuse, if possible, to stop fly tipping

## **PRIORITY 2. Support existing, and set up new projects that reduce waste and consumption, to include, but not limited to:**

### **ACTIONS:**

- a. Men in Sheds
- b. Clothes/school uniform exchange
- c. Community bike shop on Ridingleaze (local high street)
- d. Local book swap
- e. Local plant and seed swap
- f. Community Tool Bank
- g. Mobility aids

## **PRIORITY 3. Tackle and reduce single use plastic**

### **ACTIONS:**

- a. Less packaging
- b. Reusable packing
- c. Shops to take back packaging
- d. Alternatives to plastics

## **PRIORITY 4. Identify potential biogas (as well as hydrogen from electrolysis – powered by renewable energy) vehicles for commercial distribution vehicles**

### **These actions are linked to:**

1. Lawrence Weston Community Plan 2018-2022
2. Citizen Assembly recommendations
3. Lawrence Weston Neighbourhood Development Plan
4. One City Climate Strategy
5. One City Ecological Strategy
6. Bristol biodiversity action plan – for people and wildlife
7. A One City Food Equality Strategy for Bristol 2022 – 2032
8. Lawrence Weston Design Statement
9. Bristol Disabled People's Manifesto 2016



# Priorities: Energy

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high/significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Develop an Energy membership club as phase one in the development of an Energy wallet scheme and one stop shop approach	<ul style="list-style-type: none"> <li>Bristol Credit Union</li> <li>Energy companies</li> <li>Bristol University</li> <li>Bristol Energy Network</li> <li>Bristol City Council</li> <li>WECA</li> <li>Ambition Lawrence Weston</li> <li>City Leap</li> <li>Ambition Community Energy CIC</li> <li>Energy Rev</li> <li>Centre for Sustainable Energy</li> </ul>	<p>2</p> <p>Development and design of the software</p> <p>Legal fees of which about 60% (i.e., about 180 households) would likely sign up for the energy wallet account.</p>	<p>3</p> <p>Staff time to apply for funding</p> <p>Staff time to manage the project</p> <p>10 Energy Wallet</p> <p>Champions trained within the phase 1 of the project</p>	<p>2</p> <p><u>MEES</u></p>	<p>3</p> <p>Access to funding and grants</p> <p>Improved mental health</p> <p>Reduced fuel poverty</p>	Quick win
2. Identify suitable sites for renewable infrastructure, including solar PV, wind turbines, micro grids, Battery technology and EV charge points to create a smart local (with community ownership models) energy system	<ul style="list-style-type: none"> <li>Ambition Community Energy CIC</li> <li>Western Power Distribution</li> <li>Bristol City Council</li> <li>Land owners</li> <li>Bristol energy Co-operative</li> <li>Waterlilies – Bright Green Futures</li> <li>Bristol Energy Network</li> <li>City Leap</li> <li>Energy Rev</li> <li>Centre for Sustainable Energy</li> </ul>	<p>2</p> <p>Legal fees</p> <p>Project management for ACE CIC ENVIRONMENTAL</p> <p>Assessments Energy assessments Planning</p> <p>Governance and ownership structures INVESTMENT, FINANCE AND REVENUE MODELLING ENGAGEMENT</p>	<p>3</p> <p>Project manager</p> <p>Co-ordination</p>	<p>3</p> <p>Potential new infrastructure</p> <p>More renewable energy sources</p>	<p>4</p> <p>Lower energy bills for residents and businesses</p> <p>As well Local Authority</p> <p>Improved air quality</p> <p>Improved access to education</p> <p>Improved resilience to fluctuating energy prices</p>	Medium





# Priorities and Actions: Energy

## **PRIORITY 1. Develop an Energy Wallet Scheme**

### **ACTIONS:**

- a. Develop a 'one stop shop' as a first phase before the creation of a platform and bank account connected to Bristol Credit Union that allows residents to benefit from all eligible funding opportunities, grants and micro payments towards their household energy use and retrofit plans
- b. 300 energy poor households engaged with the Energy Wallet project

## **PRIORITY 2. Identify suitable sites for renewable infrastructure, including solar PV, wind turbines, Battery technology and EV charge points**

### **ACTIONS:**

- a.a. Work with local stakeholders, landlords and tenants of potential energy sites to develop a smart local energy system that is community led. ([10 point plan](#)).

### **These actions are linked to:**

- 1. Lawrence Weston Community Plan 2018-2022
- 2. Citizen Assembly recommendations
- 3. Lawrence Weston Neighbourhood Development Plan
- 4. One City Climate Strategy
- 5. Lawrence Weston Design Statement
- 6. Bristol Disabled People's Manifesto 2016



# Priorities: Business and Education

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High,  
5 - Very high / significant

\*New priority

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Develop an Energy Learning Zone	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Ambition Energy CIC</li><li>Colleges/FE providers</li><li>WECA</li><li>Bristol University</li><li>University of the West of England</li><li>Bristol Energy Network</li><li>Bristol City Council</li><li>Energy Rev</li></ul>	4  Planning application for visitor centre with classroom space at the wind turbine site  Build cost  Local skills academy  Stakeholder analysis	3  Project management	3  More residents trained within the Green Economy	4  Better skilled residents  More job opportunities Improved mental health	Short to medium
2. Renewable Energy and Modern Method in Construction (MMC) skills academy and include robotics and automation*	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Ambition Energy CIC</li><li>Colleges/FE</li><li>WECA</li><li>Construction industry</li><li>Energy Rev</li><li>Business West</li><li>Business in the Community</li><li>Bristol Housing Festival</li></ul>	3  Skills funding  Equipment  Training and accreditation	3  Project management	3  More residents trained and upskilled within the MMC sector to ensure a just transition	4  Better trained and skilled residents  More job opportunities Improved mental health	Medium
3. Regeneration and green recovery to support the local economy Support for local high street to become Net Zero	<ul style="list-style-type: none"><li>Traders</li><li>Ambition Lawrence Weston</li><li>Bristol Energy Network</li><li>Energy Rev</li><li>Business West</li><li>Business in the Community</li><li>Resource Futures</li></ul>	3  Support stakeholders to come together  Explore refurb and retrofit costs  Development of business climate plans  CHEESE surveys	1  Organise a trader's day	2  High streets shops becoming NetZero	2  Better air quality  Better facilities	Quick win





# Priorities: Business and Education

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High,  
5 - Very high / significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
4. Ensure upskilling for local trades in Modern high quality building techniques and have contracts lined up to use on leaving the training Quality assurance check on new build policy	<ul style="list-style-type: none"><li>Planning departments</li><li>Energy Rev</li><li>Bristol Energy Network</li><li>City of Bristol College</li><li>Ambition Lawrence Weston</li><li>Ambition Community Energy CIC</li><li>Business West</li><li>Bristol Housing Festival</li><li>CSE future proof project</li></ul>	1  Use of other organisations budget	1  Use of other organisations staff and skills	3  Equipping students with the skills that employers are looking for to create a greener future with more green skills and training	3  Improved high skilled work force  More economic power  Increased employment sustainability	Medium term
5. With support of the LWNPG, help residents set up a local estate management group. This group will be empowered to raise and progress issues the BCC departments	<ul style="list-style-type: none"><li>Ambition Lawrence Weston</li><li>Lawrence Weston Planning Group</li><li>Bristol City Council</li></ul>	2  Training  Resources  Management	1  Residents		3  More appealing neighbourhood  Better facilities and homes	Quick win

# Priorities and Actions: Business and Education



## **PRIORITY 1. Develop an Energy Learning Zone**

### **ACTION:**

- a. Develop an energy learning zone under the Wind Turbine that will educate people, including young people, on renewable energy as well as teach them new skills. Link this with the MMC skills academy that will be based with the new Lawrence Weston Community hub.

## **PRIORITY 2. Renewable Energy and Modern Method in Construction (MMC) skills academy\***

### **ACTIONS:**

- a. Local Skills academy set up and running in Lawrence Weston to ensure that local residents will be able to access green jobs in the future. Link this with the energy learning zone based at the community owned wind turbine

## **PRIORITY 3. Support the local economy**

### **ACTIONS:**

- a. Support for local the high street to become Net Zero
- b. Use, and encourage others, local services where possible
- c. Strengthen the local circular economy

## **PRIORITY 4. Ensure upskilling for local trades in Modern high quality building techniques**

### **ACTIONS:**

- a. Have contracts lined up to use on leaving the training
- b. Quality assurance check on new build policy

## **PRIORITY 5. With support of the LWNPG, help residents set up a local estate management group.**

### **ACTIONS:**

- a. Upskill local residents to become estate management volunteers
- b. Group will be empowered to raise and progress issues the BCC departments

### **These actions are linked to:**

1. Lawrence Weston Community Plan 2018-2022
2. Citizen Assembly recommendations
3. Lawrence Weston Neighbourhood Development Plan
4. One City Climate Strategy
5. One City Ecological Strategy
6. Bristol biodiversity action plan – for people and wildlife
7. A One City Food Equality Strategy for Bristol 2022 – 2032
8. Lawrence Weston Design Statement
9. Bristol Disabled People's Manifesto 2016

\*Modern Methods of Construction provide the opportunity to be more sustainable as homes are precision-engineered and manufactured in a factory-controlled environment. Houses are built using sustainable materials. This type of construction also helps reduce waste.





# Priorities: Homes and Buildings

## Scoring of priorities

1 - Very Low, 2 - Low, 3 - Moderate, 4 - High, 5 - Very high / significant

PRIORITY	POTENTIAL COLLABORATORS + STAKEHOLDERS	RESOURCE: COST	RESOURCE: PEOPLE	IMPACT: CARBON	IMPACT: COMMUNITY BENEFITS	TIMESCALE
1. Develop housing improvement projects (warm up, skill up)	<ul style="list-style-type: none"> <li>CHEESE</li> <li>Men in Sheds</li> <li>Colleges</li> <li>Government schemes</li> <li>Bristol Energy Network</li> <li>Ambition Lawrence Weston</li> <li>City Leap</li> <li>Energy Rev</li> <li>Centre for Sustainable Energy</li> </ul>	4  Training and Accreditation  Materials  CHEESE surveys	3  Paid internships  Volunteers	4  Reduced energy demand  Affordable heating and energy use from renewable sources  Improving all homes to EOC C to improve the property so heating via a heat pump is affordable	3  Improved overall health and wellbeing  Improved employment opportunities  Financial savings	Short to medium term
2. All community buildings to become carbon neutral	<ul style="list-style-type: none"> <li>Bristol City Council</li> <li>Bristol Energy Network (Sonnet)</li> <li>Community building owners and tenants</li> <li>City Leap</li> <li>Energy Rev</li> <li>Centre for Sustainable Energy</li> </ul>	3  Capital costs  New Cycle Racks  New lighting	3  Project management	3  Reduced energy demand  Affordable heating and energy use from renewable sources	3  Improved community facilities	Short to medium term
3. Create dialogue between BCC and other social housing providers how they will implement renewable energy generation that benefits the tenant including microgrids	<ul style="list-style-type: none"> <li>Bristol Energy Network</li> <li>Bristol University</li> <li>Bristol City Council</li> <li>Social landlords</li> <li>City Leap</li> <li>Ambition Community Energy CIC</li> </ul>	2  Co-ordination costs  Project costs  Installation costs	3  Financial benefit  Better air quality  Warmer homes	4  Displacement of fossil fuel energy by using locally generated electricity from renewable sources	4  More social homes being ran on renewable energy  Reduced fuel poverty	Medium term
4. Car charging points	<ul style="list-style-type: none"> <li>Ambition Lawrence Weston</li> <li>WECA</li> <li>Western Power</li> <li>Bristol City Council</li> <li>Social housing providers</li> </ul>	4  Capital costs		3  Opportunity for everyone to own an electric car therefore reduce carbon missions	3  Cleaner air	Medium term

# Priorities and Actions: Homes and Buildings



## **PRIORITY 1. Develop housing improvement projects (warm up, skill up)**

### **ACTIONS:**

- a. Empowering residents to have the knowledge and skills to improve their own homes and have a Net Zero plan for their home
- b. DIY training courses, assistance in providing shallow retrofit, integrating thermal imaging into the whole house retrofit design, utilising local labour force to deliver the retrofit services.

## **PRIORITY 2. All community buildings to become carbon neutral**

### **ACTIONS:**

- a. Developing a community municipal bond to invest in energy efficient measure and heating upgrades in order to create a Net Zero functional building
- b. A time of use tariff that allows residents to use the electricity from the solar panels whilst they are generating energy and to pay a competitive low-cost price that benefits the tenant and BCC in their investment

## **PRIORITY 3. Create dialogue between BCC and other social housing providers how they will implement renewable energy generation that benefits the tenant including microgrids**

### **ACTIONS:**

- a. Work with social housing providers to fit Electric charging points and to encourage all new planning applications for housing to include electric car charging points

## **PRIORITY 4. Car charging points**

### **ACTIONS:**

- a. Create a dialogue with social housing providers as to how they are going to provide electric car charging points for their existing housing stock and community charging points
- b. Work with local retailers and organisations to install car charging points in their car parks

### **These actions are linked to:**

1. Lawrence Weston Community Plan 2018-2022
2. Citizen Assembly recommendations
3. Lawrence Weston Neighbourhood Development Plan
4. One City Climate Strategy
5. A One City Food Equality Strategy for Bristol 2022 – 2032
6. Lawrence Weston Design Statement
7. Bristol Disabled People's Manifesto 2016





# How our plan makes strategic connections

**The themes and projects identified within our Climate Action Plan demonstrates our commitment to Bristol realising a NetZero target by 2030 ahead of the UK's national target for NetZero by 2050. Indeed already our contribution in developing our onshore wind turbine will produce the equivalent renewable electricity for the number of households in Lawrence Weston. But our climate action plan is going beyond carbon savings and is focused on improving the lives and well being of our residents to ensure they have good quality warm homes that they can afford to heat, as well have access to an integrated transport system that allows them to access the city and wider region.**

We have a vision for our young people to access the jobs that will be created from the transition from a fossil fuel economy to a NetZero carbon economy which is why our focus on improving skills is set out alongside the development of our onshore wind project. We are privileged to benefit from wildlife from the surrounding area of the Severn Estuary and the woodlands of the Blaise Castle, and connections with local food and farming through our Lawrence Weston Community Farm and allotments which this plan will enhance our residents awareness and participation in improving our local green spaces surrounding our homes.

This plan must be supported in order for it to succeed and for the city to succeed in its own One City Plan. Over the last 12-18 months with COVID-19 we have already seen an end to the generation upon generation economic progress and the incomes of our residents in real terms reduce spending power and increase dependence on foodbanks. We can and must improve all residents' livelihoods whilst tackling the climate emergency as they have the least resources to adapt to the changing economy and participate actively in an energy transition. Our plan reflects the wider strategies and plans of the One City Climate Strategy, COVID recovery, Citizen Assembly, Ecological Emergency Strategy recommendations. Therefore our plan creates the opportunity for other city partners to participate and support Ambition Lawrence Weston to deliver its Climate Action Plan and in doing so also supports a recovery of not just of our community but also the whole city with a Community Led Smart Local Energy System.

**Let's make change with Ambition Lawrence Weston**

# Acknowledgements



**Ambition Lawrence Weston would like to thank the following for their contribution to the development of the Community Climate Action Plan:**

- the members of Lawrence Weston community who took the time to engage in our consultation and community engagement process
- all the local community groups and organisations that have contributed (including: local schools and churches)
- The Community Climate Action Project partners: Bristol Green Capital Partnership (Amy Harrison), Bristol City Council (Mark Leach) CSE (Harriet Sansom), Eastside Community Trust (Emily Fifield), ACH (Katya Thickpenny Ryan), Bristol Disability Equalities Forum (Emma Geen), Lockleaze Neighbourhood Trust (Karen Edkins), Heart of BS13 (Kirsty Hammond) and Donna Sealey (Ambition Lawrence Weston) for their support and collaboration through the Community Climate Action Project
- All the Community Climate Action City partners who contributed to the Peer Review Roundtable event (Nov 2021)
- Community Artists Dee Moxon, Morgan Tipping and Tommy Chavennes for their creative contribution to our community







# Evaluation and wider objectives

**This plan was developed as part of the Bristol Community Climate Action Project (coordinated by Bristol Climate & Nature Partnership, and supported by Bristol City Council and the Centre for Sustainable Energy).**

The evaluation objectives of the project are:

1. Communities will better contribute to Bristol's 2030 carbon neutral and nature recovery ambitions.
2. There is wider and deeper climate change engagement and leadership in diverse communities.
3. Climate Community Action will support transitions towards a more just and inclusive society.
4. Community Climate Action will support increased community resilience to immediate climate and social challenges.
5. Climate Community Action is recognised as an essential strategic approach towards achieving net zero goals in Bristol, the West of England sub-region (WECA area) and nationally.
6. Communities in Bristol and beyond are inspired and supported to take community-led climate action.

The development phase of the Community Climate Action Project (October 2020 – April 2022) focused on the development of six coproduced community climate action plans by six Bristol community organisations (ACH, Ambition Lawrence Weston, Eastside Community Trust, Bristol Disability Equality Forum, Heart of BS13 and Lockleaze Neighbourhood Trust) and extensive evaluation data was collected during the project through a suite of 10 surveys using the online Makerble platform.

An insights report was produced at the end of the development phase of the project (April 2022), and a full evaluation report will be produced at the end of the programme (July 2025).

The Community Climate Action Project has been supported by the National Lottery Community Fund's Climate Action Fund. The overall objectives/outcomes of the fund are:

1. More – and more diverse – people engage with climate issues and understand what climate change means for them.
2. More – and more diverse – people have hope that things can change and take action on climate change.
3. Community-led climate action initiatives grow and develop.
4. Carbon emissions are reduced through action at the local level.
5. Community-led climate action is fair and generates co-benefits for people's quality of life.
6. Learning on good practice is captured and shared.
7. The National Lottery Community Fund and others across the sector (including funders) integrate support for community-led climate action into their wider activities.
8. Evidence of increased support for climate action.
9. Local communities develop increased resilience to immediate climate impacts.

# List of community co-benefits



## Health & wellbeing

- Reduced fuel poverty
- Opportunities for physical activity
- Reduced noise pollution
- Reduced air pollution
- Opportunities to access healthier food
- Improved dietary health
- Improved mental and physical wellbeing

## Economy

- Job creation
- Improved business efficiency
- Improved household finances
- Opportunities for skills and training
- Money retained in local economy
- Opportunities for local investment
- Lower energy costs
- Lower energy tariffs
- Reduced travel costs
- Reduced bills
- Reduced cost of buying compost/vegetables/fruit by producing their own

## Environment

- Reduced greenhouse gas emissions
- Improved green spaces
- Reduced overheating risk
- Reduced flood risk
- Increased biodiversity
- Reduced waste going to landfill
- Creation of more attractive public spaces
- Less litter in public spaces

## Environment

- Increased interest in the natural environment and food, and the link between
- Increased connection to the community and the environment

## Resilience

- Security in energy supply (less power cuts)
- Security in energy supply (less reliance on international imports)
- Security in energy supply (opportunities to access renewable energy sources)
- Food security (security in local food supply)
- Food security (less food waste)
- Skill creation through volunteering and training sessions

## Society

- Reduced inequalities
- High level decision makers (ie national gov) influenced to make positive changes.
- Community brought together
- Improved public sector finances
- Residents feeling safer and more confident in their community
- Increased community ownership and pride
- Reduced social isolation
- Building a stronger, more connected community through sharing resources and skills
- Empowerment of young people

## Equalities

- Equal access
- Preventing the creation of new barrier
- Removing a barrier
- Making roads safer and more accessible for active travel



# List of carbon impacts



## Energy

- Hugely reduced energy demand from buildings, including heritage assets
- Smarter & more flexible management of energy demand, including storage
- Decarbonised power generation
- Decarbonised heat delivery
- Widespread, actively managed and planned carbon storage strategies
- Reduced energy demand
- Affordable heating
- Energy use is from renewable sources
- Improving all homes to EPC standard C
- Displacement of fossil fuel energy by using locally generated electricity from renewable sources

## Buildings/Housing

- Hugely reduced energy demand from buildings, including heritage assets
- New buildings and developments that achieve net zero emissions, including associated transport
- Improving all homes to EPC standard C
- Increased/improved insulation on all housing stock

## Food

- Altered dietary patterns & reduced food waste.
- Widely adopted agricultural practices that reduce emissions & increase soil carbon and protect & promote biodiversity
- Food education to reflect the needs of diverse communities
- Reduced meat (and dairy) consumption

## Jobs/Economy/Education

- More residents trained within the Green Economy
- Supporting the local economy (or circular economy)
- Diversity in green jobs recruitment
- Climate change on school curriculum

## Waste and Consumption

- Hugely altered consumption patterns, buying less and re-using/repairing more
- Greatly increased recycling rates to achieve a circular economy model, taking plastics out of the waste stream
- Altered dietary patterns & reduced food waste.
- Less demand on shop bought edibles
- Less packaging and waste
- Safe disposal of older appliances which contain Freon Gas which depletes the ozone layer
- Increased opportunity / accessibility to fixing of older/broken appliances
- More food waste going to biomass production

## Transport

- Reduced private car travel and a comparable increase in active and public transport
- A complete shift to electric vehicles (& an end to petrol & diesel cars & vans)
- Massively reduced air travel, particularly among frequent flyers
- Reduction in petrol and diesel cars on the road
- Improved air quality
- Reduction in the cost/accessibility of public transport
- Availability of regular public transport links to employment hubs (e.g., Avonmouth)

## Nature

- Widely adopted agricultural practices that reduce emissions & increase soil carbon and protect & promote biodiversity
- More biodiversity
- Better habitat for local wildlife
- More trees planted
- Protecting the biodiversity
- Sustaining wildlife populations
- Creating wildlife corridors
- Equitable access to green spaces

# Full list of community co-production activities



## Litter Pick

Tuesday 13th April  
Tuesday 25th May  
Tuesday 22nd June  
Tuesday 20th July  
Wednesday 18th August (incorporating the BIG community picnic)  
Tuesday 21st September

## Lawrence Weston in Bloom

Friday 28th May  
Saturday 5th June  
Wednesday 14th July (incorporating our LW in Bloom judging day)  
Monday 2nd August  
Monday 28th August  
Saturday 9th October

## Arts

What if?..... workshop Wednesday 28th July  
Community Climate Arts project Friday 30th July and Friday 6th August  
Community Craftivism Wednesday 25th August  
Travelling Kitchen  
Wednesday 11th August

## Men in Sheds

Sessions every Monday, Wednesday and Friday throughout the summer

## Big Plant and Seed Swap

Tuesday 15th June

## Cycling

Bike Minded - Tuesday 20th April  
Ridingleaze Street closure and party Saturday 4th September

## Green Influencers

Thursday 13th May

## Shaping Places

Friday 7th May 10am  
Friday 21st May 10am

## Nature Drawing Workshop

Wednesday 16th June 10am

Community Climate Plan workshop event – Saturday 16th October



# Glossary of key words



**Biodiversity:** All the different kinds of life you'll find in one area—the variety of animals, plants, fungi, and even microorganisms like bacteria that make up our natural world

**Biomass:** Plant or animal material used as fuel to produce electricity or heat (eg. energy crops, waste from forests, yards, or farms. Since biomass can also be used as a fuel directly (e.g. wood logs), some people use the terms biomass and biofuel interchangeably

**Carbon emissions:** The carbon dioxide gas that planes, cars, factories, etc. produce which contribute to climate change

**Carbon footprint:** A tool to help us understand what changes we need to make to cut our emissions. They show us which actions result in emissions, and how much

**Circular economy:** An economic system of production /consumption based on using renewable resources, eliminating waste and reusing and recycling goods for as long as possible

**Climate change:** Whilst greenhouse gases occur naturally, human activity (especially the use of 'fossil fuels' - oil, gas, coal) has led to hugely increased levels of these gases. This has led to the earth getting hotter, and our climate changing all over the world. Our climate affects everything on earth – the landscapes, seas, animals, plants, and of course people – and small changes in climate can impact where humans and animals can live, what and how much we can grow, our health, our sea levels, and much more

**Green jobs:** Green jobs are those which are in some way contribute to reducing the consumption of energy and raw materials, limit greenhouse gas emissions, minimise waste and pollution and protect and restore ecosystems

**Greenhouse gases:** Carbon dioxide, and other 'greenhouse gases', trap heat in the atmosphere and keep the earth warm (which is why they're called greenhouse gases). These gases, which occur naturally, make the earth a habitable place – without them it would be too cold to live here

**Just Transition:** Ensuring the transition to a low carbon society/economy is equitable, that any benefits are shared widely, whilst supporting those who stand to lose out economically

**Natural habitat:** The natural environment in which a species of plant/animal/fungi etc lives

**Net zero and carbon neutral:** This means that any carbon dioxide that is emitted by the activities taking place is balanced by the same amount of carbon dioxide being absorbed from the atmosphere (sometimes achieving net-zero carbon dioxide emissions is referred to as 'carbon neutrality')

**Renewable energy:** Energy that is generated from natural processes that cannot be exhausted and is constantly renewed (including solar/sunlight, geothermal heat, wind, tides, water)

**Retrofit:** The introduction of new materials, products and technologies into an existing building to reduce the energy needed to occupy/use that building

**Wildlife corridors:** A strip of natural habitat connecting populations of wildlife otherwise separated by cultivated land, roads, housing etc.

