

Knowle West



Climate Conversations

Knowle West Community Climate Action Plan 2024

Let's make change in Knowle West



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 Knowle West 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.



Photo credit: Varujan Smallwood

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.

Now five more community groups are launching their climate action plans, having participated in the learning and mentoring programme, with a further seven community groups due to develop their plans in 2024/25. These organisations have had less financial resource from the project than the first round of partners, and the learning and mentoring programme cohorts are helping to identify the basic level of resource needed to develop a community climate action plan process which can be replicated beyond Bristol.

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.



Let's make change in Knowle West

Why community led climate action?

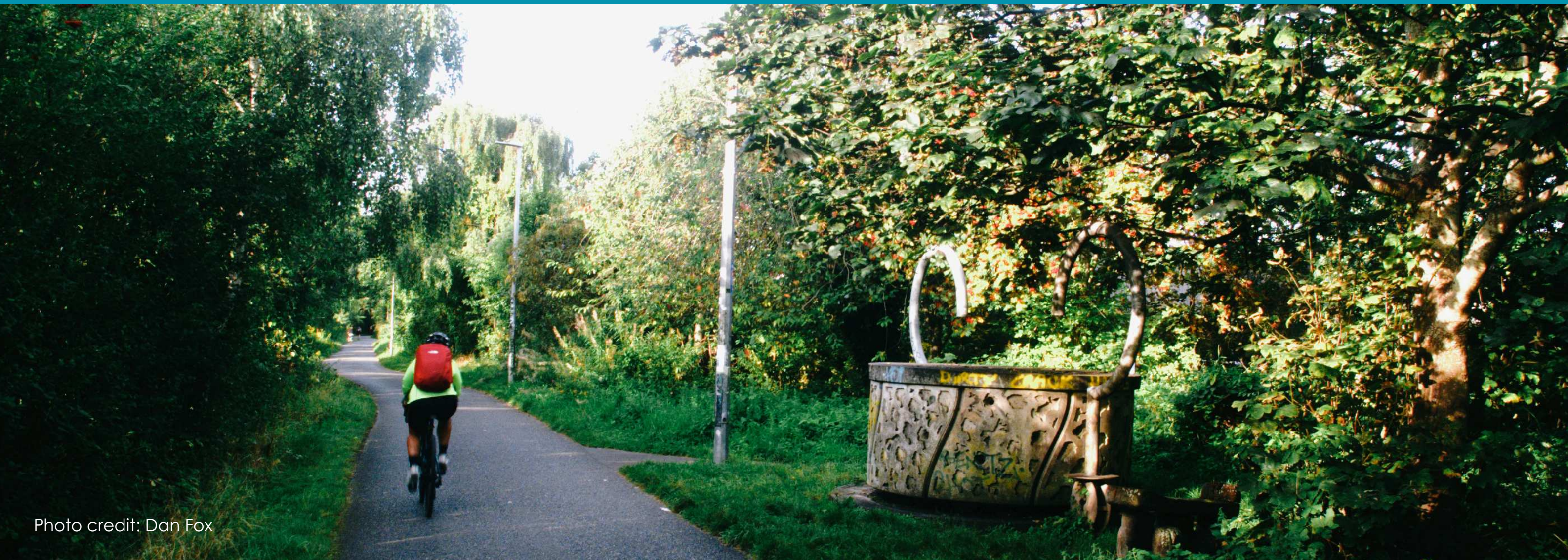
Climate action requires collective action. By working together we can take powerful community climate action which reduces carbon and improves lives.

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 Knowle West Media Centre and Knowle West Alliance

Community-led climate action is already happening in Knowle West. As a local network, we believe in taking an “asset-based” approach, understanding where there is existing activity and energy, working with what is strong, and supporting what is emerging in strengthening existing initiatives and projects.

Through continued deep engagement and further research, we can deepen this understanding of how people are already working towards a just climate transition. (even if that is not the language they are using themselves) We recognise that the views shared in our climate action plan are not fully representative of the whole community. However, this represents a significant piece of work, and is a shared asset that everyone is able to use as part of ongoing community conversations and in planning future activity.

Listening to people is the beginning, and we are working together with Bristol Climate & Nature Partnership and other local community organisations to help ensure that these emerging local priorities are incorporated into local governance processes and policy making.



Photo credit: Ebolya Feher

Our key findings and what that means for mobilising community climate action:

- Cultural shifts (in our actions) are needed by everyone, some actions are within people's gift, many are not, especially given the socio-economic and health inequalities in the area.
- We hear many people advocating for governmental policies that develop support important (and missing) civic infrastructures – for example improved public transport.
- What is apparent is that people care about different elements of community action, are taking many different climate actions (e.g. growing food, being savvy around energy use, taking active transport routes), but may not use the language of climate action.

Our ambition

Community Climate Action is part of a wider effort in Knowle West, which includes many organisations, charities and community groups who all have a mission of supporting residents and improving the lives of people who live here.

The ambition to reduce our carbon footprint in Knowle West identifies a need to create new systems, which can ALSO transform and address the effects of a community being underfunded and years of austerity, which have left many people with limited resources, and a lack of opportunities and support to be able to live their lives fully. Local residents can be empowered to participate in climate action, through designing programmes which address the health and economic difficulties people are faced with in this neighbourhood, while building confidence in individuals, supporting families and celebrating existing local knowledge, assets and initiatives already doing great work.

Collaboration between different service providers and community groups and organisations, can support this ambition in working to our strengths and sensitivities organisationally. Together sharing skills and practices around: co-creation; inclusive and accessible arts-based and creative practices; building and sustaining cohesive community structures; collective decision making processes; grass-roots action; activism; socially engaged and supportive deep rooted community work; enabling collective innovation and planting seeds of change.

Through connecting and supporting the existing climate action initiatives, their impact can be amplified, by sharing resources, assets and knowledge, while addressing systemic and structural barriers collectively. This also means looking at long term investment opportunities, and aspiring to new economic models, which changes individual and community level contribution to climate action beyond volunteering, into training and business opportunities with lasting effect, building resilience and community wealth.



Let's make change in Knowle West



Context: Our community

Knowle West is an area of approximately 5,500 households in South Bristol, the community has exceptional social entrepreneurial spirit, rooted in a rich living heritage. From boxing and rugby, to pigeon racing and street dance, to trip-hop and dubstep, to bus route campaigners, greenspace activists and allotment growers, Knowle West is a generator of everyday heroes. This rootstock of community energy and know-how gives any community-led endeavour a much-valued depth and richness.

This sits within the context of multiple, intersecting inequalities, including low educational attainment, under employment, poor health, premature mortality, and mobility poverty. It is in the top 10% of wards in the Indices of Multiple Deprivation and a designated Regeneration Area. It scores much worse compared to the Bristol average for a wide range of measures. People face these inequalities not because they would have a choice, but because their basic needs are not met within a system that has enforced austerity politics in some areas, to sustain wealth in others.

Even though the previous UK government has very recently invested in the regeneration of the area, e.g. through the Levelling Up Fund, many people here feel left behind and not able to effectively shape the future of our neighbourhood. Experience of consultation without consideration or appreciation of residents' contribution, or the lack of consequent perceived changes, result in general mistrust in local authorities and the governance system, as the low participation in the recent Bristol local elections might suggest. This "consultation fatigue" is a consideration in relation to developing a community climate action plan, a framework that has the potential to guide collective climate action in Knowle West.



Photo credit: Varujan Smallwood

Let's make change in Knowle West

The data generated within the development of the Community Climate Action Plan shows that the majority of people who live, volunteer or work in Knowle West don't think that politicians and leaders do enough to take action on climate change and nature loss, so they question their ability in leading neighbourhoods, cities and nations towards ways of living that sustain liveable habitats for humans and other-than-humans in this time of multiple crisis. But many people in Knowle West are very worried about climate change and its impacts, whether this is related to nature and wildlife loss or to the impacts of overheating, as data shows. And many people in Knowle West are actively trying to reduce their carbon footprint, this being on an individual/household level or through the engagement in initiatives and organisations that work towards a just climate transition.

What we have understood so far is that many people in Knowle West are open to shaping this transition. The abundance of grassroots initiatives and caring organisations demonstrates that people are willing to invest their capacities in changing patterns of production, consumption and how to relate to the places and those who inhabit them.



Photo credit: Varujan Smallwood



Photo credit: Varujan Smallwood

Nevertheless, when we spoke with these climate heroes, we surfaced some 'wicked problems': Many self-organised initiatives have the potential and would like to increase their social-environmental impact but don't have the power to build or change conditions that are needed to sustain, expand and open up their initiatives for new climate heroes.

Just to mention community gardens amongst others, they have a lot to offer to a wide range of different people in terms of relating to nature and food in ways that are responsive to climate change. They provide spaces for encounter, learning and purposeful work, yet we have heard that some of these initiatives face financial and structural constraints that limit their potential, related to land ownership and management. When they seek security for their endeavours and safety for participants, they face bureaucratic barriers that are overloading people doing climate jobs voluntarily, beside other commitments. Many of these initiatives are not even seen as contributing to a just climate transition, they are working in an institutional grey-zone without support for building capacity for climate action.

When we spoke about the question on how to work together better, mobilising collective power for climate action in the community with leaders of local organisations, we identified other 'wicked problems' that are hard to tackle but essential, given the short timeframe we must drastically improve our carbon footprints. We were identifying the lack of systematic collaboration across different institutions disempowered by lack of resources/capacity- and social provision systems, hindering the development of impactful programs, often resulting in isolated programs with few possibilities to interrelate with other systems that could enable or sustain the impact of their work. As an example, organisations working against food poverty and poor health conditions, mentioned that their ability to support more plant-based food consumption are limited as it is challenging to intervene in the school curriculums to effectively do foundational work and bring food education in young people's and parent's everyday life, along with the major system failure of Knowle West being (by definition) a food desert, a place where many people cannot access affordable food.

Given these 'wicked problems' raised by community members we need to see the carbon footprint as just one dimension to strategize and assess our community's pathway towards a just climate transition. Through engaging with the community we understood that climate action needs to steer deep changes in the systems that we are part of when living, working, learning and volunteering in Knowle West. Arts based and creative methods can be a way into deep engagement, confidence building and community leadership development.

From here we go together towards co-creating a healthy neighbourhood for people and planet, hopefully alongside meaningful contribution of local authorities and national government.



Photo credit: Varujan Smallwood

Let's make change in Knowle West

Our baseline community carbon footprint



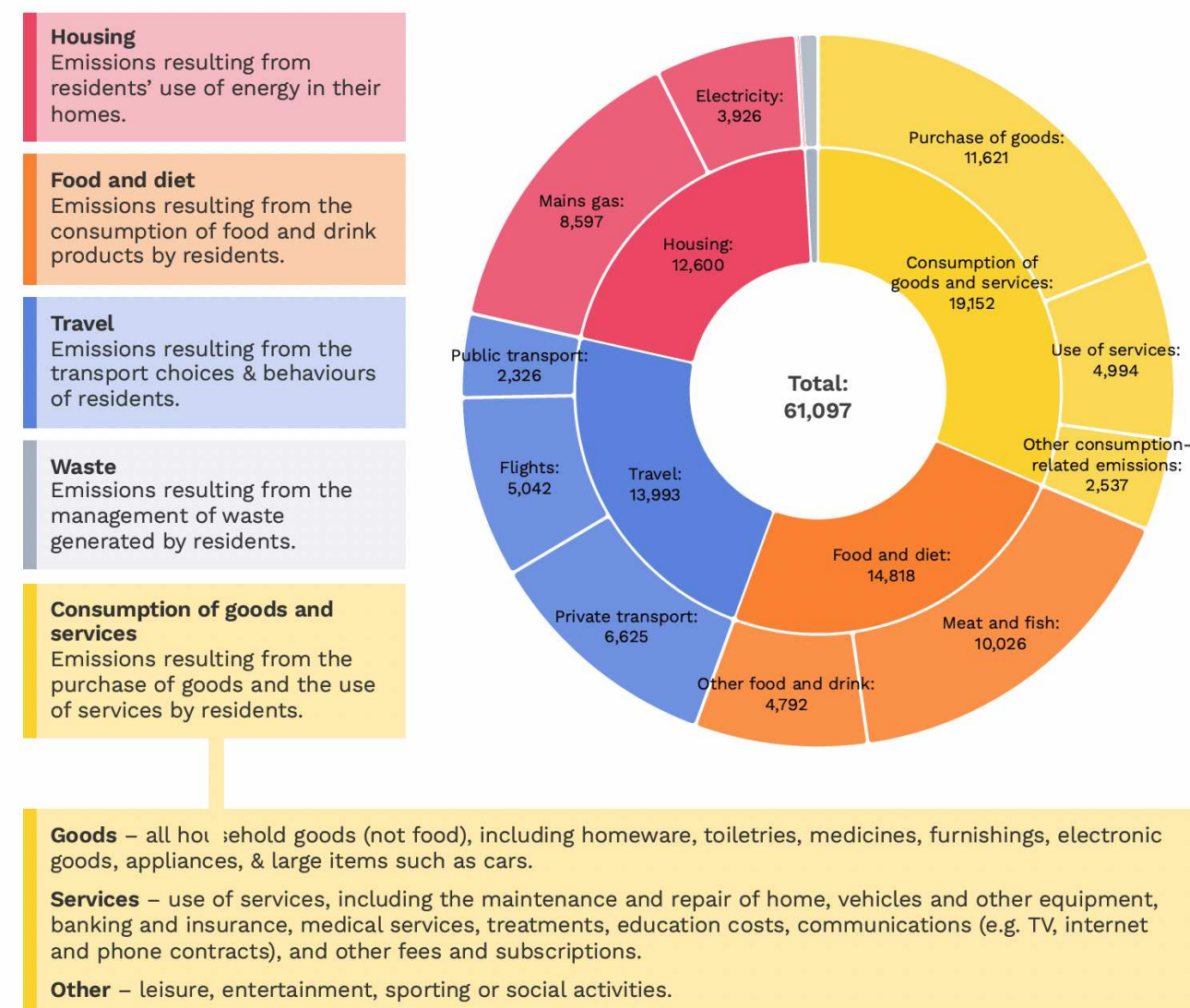
What did it tell us?

Our carbon footprint report, produced 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). This data was collected from [The Impact Tool](#).

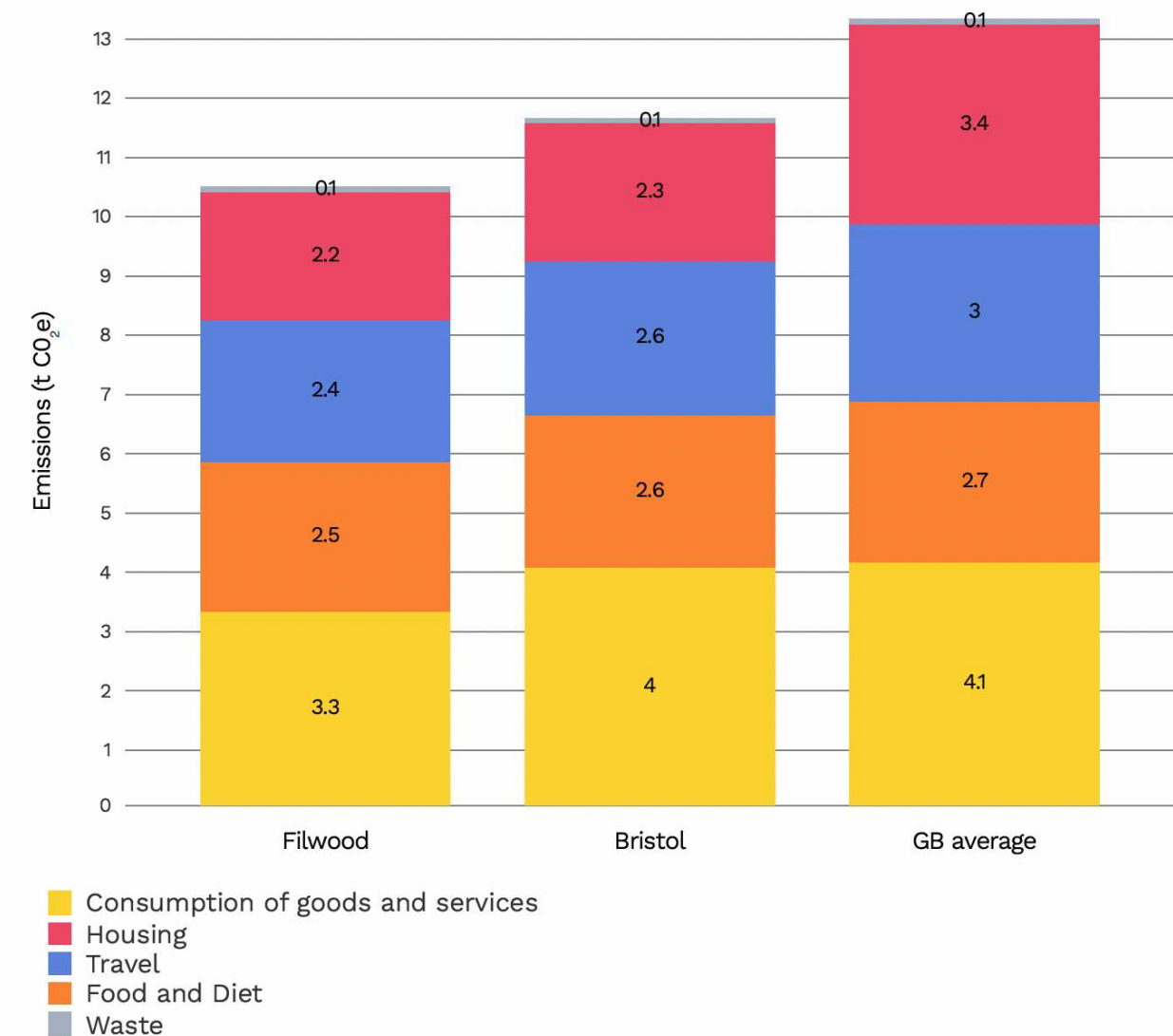
Having a picture of what our community carbon footprint helps us understand the activities which result in carbon emissions. From here we can begin to think about the breadth of activities needed to reduce emissions, where to focus our attention, and to explore which activities are possible at the community-level, and which require Bristol-wide, national, or even global commitment and action.

What did we learn?

Here is our community's **total** carbon footprint



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





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 Knowle West'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 Knowle West 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.



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.



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 learning and mentoring programme, delivered by Bristol Climate & Nature Partnership, as part of the Community Climate Action Project. The six partners involved in the learning and mentoring programme met monthly for themed workshops on climate and nature issues, and engaged with their communities from summer 2023 to spring 2024. The flowchart below captures the main elements of the methodology to create Bristol's second round of community climate action plans:



Throughout:

Connecting city partners – through monthly workshops with city experts, and support from Bristol City Council and Centre for Sustainable Energy

Our methodology



To develop the Community Climate Action Plan, we applied an action research approach, bringing into conversation the idea of ecological health in neighbourhoods and investigating how residents and representatives of local initiatives and organisations understand Knowle West's situation in relation to the dimensions that the Community Climate Action Plan seeks to address.

This investigation started in Spring 2023, we worked together with local initiatives and residents, an ecologist and an artist in a **neighbourhood science project** exploring nature connectedness and access to green spaces for humans and other-than-humans. In this project, we found that people understand well the dependency of local climate action on structural conditions, such as legal frameworks that determine our possibilities to make our neighbourhood a healthy habitat for all. We understood that some local initiatives are not as well connected as they could be and that there is a lack of organising capacity, related to funding, that is needed to deliver strong climate action through tight collaboration between these groups. At the same time, we engaged in some more **Community Mapping**, using a digital tool that helps everyone who joins the map to display their most important relationships within and beyond the community. We think this helps to organize and bring people working towards the same values and purposes together, which will be important when further working on the realisation of the strategic aims and priorities that the Community Climate Action Plan document is suggesting.

In February 2024, we sent out a **survey**, and received feedback from 113 respondents, mostly from local residents. From what people think needs to change, we identified some major concerns, such as: fly-tipping, lack of reliable public transport, support for warmer homes, the need for locally available affordable and healthy food. This survey was a good way to reach those people in the neighbourhood who are not engaged in local initiatives and potentially gather more voices, but at the same time we are aware this is not yet a fully representative dataset. Also, we reflected afterwards that the questions in the survey may not have sufficiently highlighted the interconnectedness of all dimensions that this plan wants to address, therefore possibly encouraging siloed thinking (and action) instead of enabling an approach to 'wicked problems' that would enable connected solutions for deep change.



We believe that in order to develop a plan for collective action we need to understand the problem in depth, including the causes, effects and interdependencies that are manifesting the problems – instead of jumping to quick solutions in terms of priorities. This is why we decided to have more in-depth conversations and interviews with representatives of local initiatives, climate champions, networks and organisations and we used the priorities identified through the survey to guide these. We analysed these conversations, collected more ideas for priorities and enriched our understanding of the problems that these people are already addressing.

In 5 workshops we fed back our learnings to discuss with other people interested in community climate action, validated and further altered our understanding of KW's situation in relation to climate action. All together, this work is a good foundation to inform the ongoing work of determining a course of action for community-led climate transition.



Photo credit: Varujan Smallwood

Let's make change in Knowle West

Climate action heroes

Jim Smith – Tree Champion

Jim Smith is passionate for nature, a tree champion coordinator with Bristol Tree Forum taking care of trees for 10 years now, after he moved to the neighbourhood about 12 years ago, when a lot of sites were earmarked for housing.

“The Bristol Tree Forum liaise with developers, the council and planning officers to consider development of sites and to try and save as many trees as possible.” He also thinks it is important to let children catch the growing bug while they are young.

**“The natural world is an art gallery,
if you see it.”**



Photo credit: Tay Aziz

Climate action heroes

Eco-Warriors at Oasis Academy: Connaught

Isabelle, Tilly, Lexi, Gracie and Jessica are eco-warriors at Oasis Academy: Connaught, who help the planet and people. Come rain or shine, they do planting and litter picking, and having fun! They all agree that people in Knowle West need clean water and good food.

They also say: "We also need more litter bins, and signs that say: "Our community is helping to save our planet" They are very concerned about the plastic in our oceans and they have a good understanding of our responsibility to look after the planet for future generations.

"If we don't help this earth quick enough our generation and our earth will be destroyed."



Photo credit: Tay Aziz

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, Hillfields, Bedminster, Brislington, 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 recommendations 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. Accessible and safe transport for all	<ul style="list-style-type: none"> Sprint Community Transport Community Organisations Knowle West Alliance Citizens Bristol City Council WECA Bristol Disability Forum Resident associations Faith groups / churches Schools Businesses Older People's Forum Sustrans Car Clubs Travelwest Reclaim our Buses 	1 Staff	1 Staff Coordination Engagement Campaigning Communications	2 Lower Carbon scoring, as it suggests all transport options and safety as priority rather than low carbon, but savings possible in greater bulk transport across the neighbourhood.	4 Reduced travel costs Removing a barrier Reduced social isolation residents feeling safer and more confident in their community Improved mental and physical wellbeing High level decision makers influenced to make positive changes.	1-2 years
2. Improved cycling and walking infrastructure	<ul style="list-style-type: none"> Citizens Resident Associations Community organisations Businesses Bristol Disability Forum Schools Older People's Forum Sustrans Bristol City Council WECA 	4 Staff Capital costs	4 City planners Civil Engineers Staff Coordination Engagement Campaigning Communications	3 Reduced greenhouse gas emissions Reduced air pollution	5 Making roads safer and more accessible for active travel Opportunities for physical activity Removing a barrier Reduced travel costs Reduced social isolation Residents feeling safer and more confident in their community Improved mental and physical wellbeing	3-5 years



Priorities: Transport

Scoring of recommendations

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. Create opportunities to get people into cycling, wheeling and walking	<ul style="list-style-type: none">• Sustrans• WECA• Travelwest• Lifecycle• Bristol City Council• Schools• WeCan Make Playing Out• KWMC• Knowle West Alliance• Community organisations• Faith groups / churches• Walking groups• Green space volunteering groups• Businesses	2 Staff	2 Staff Coordination Engagement Campaigning Communications Artists	2 Reduced greenhouse gas emissions Reduced air pollution	5 Opportunities for physical activity Removing a barrier Reduced social isolation Residents feeling safer and more confident in their community creation of more attractive public spaces Improved mental and physical wellbeing Opportunities for skills and training Empowerment of young people Increased connection to the community and the environment	1-2 years
4. Promote and encourage active mobility options for people attending opportunities in our community	<ul style="list-style-type: none">• Travel West• Lifecycle• WECA• Community organisations• Events organisers• KWA	1 Staff	1 Staff Coordination Engagement Communications Partnership building	1 Low carbon score, as this might not affect long term behaviours Reduced air pollution Reduced private car travel and a comparable increase in active and public transport	2 Opportunities for skills and training Improved business efficiency	1-2 years



Priorities and Actions: Transport

PRIORITY 1. Accessible and safe transport for all

ACTIONS:

- a. Campaign for improved bus services which are reliable, affordable and accessible.
- b. Support the elderly and disabled people to access Sprint- a flexible, accessible and affordable community bus service, which brings access to local shops and social activities in and around Knowle West, while also tackling social isolation.
- c. Build networks of safe and trustworthy car / lift share opportunities in the area, to cover lifts over weekends and evenings for people who can't access other forms of transport.
- d. Introduce a Car Club vehicle, which is centrally located in the neighbourhood.
- e. Digital Transport Hub - a location where all public transport options are recorded, accessible via QR codes and shared on social media and other communication platforms, including community centres and other places of interest.
- f. Introduce E-charging points available to local residents at community spaces.



PRIORITY 2. Improved walking and cycling infrastructure

ACTIONS:

- a. Pedestrianised routes from Filwood to Bedminster.
- b. Create a map of safe and accessible routes in and around the area, including safe public places with local people, using a tool like Go Jauntly.
- c. Safe and secure bike storage.



Priorities and Actions: Transport

PRIORITY 3. Create opportunities to get people into cycling, wheeling and walking

ACTIONS:

- a. Promote and enable more residents to join existing walking groups.
- b. Create more creative opportunities to get people to move about their neighbourhood, like history walks, Lights, lights lights.
- c. Fitness and wellbeing groups, for all ages and abilities - use online tools like Strava and google to map routes across different abilities.
- d. Create opportunities to break the car dominance on the roads, through community led street closures like Playing Out.
- e. Work with community groups and schools to promote cycling and wheeling, including learning to cycle.
- f. Confidence building lessons for those who would like to ride daily but are scared of riding on the road.
- g. Offer bike repair sessions and skills sharing workshops on bike maintenance.

"After getting confidence on her bike with bikeability, our daughter managed to cycle to school mostly using the cycle paths, however she does need to go into roads sometimes."

PRIORITY 4. Promote and encourage active mobility options for people attending opportunities in our community

ACTIONS:

- a. Cycle surgeries for bike & scooter maintenance.
- b. Promote health and wellbeing benefits of an active lifestyle.
- c. Facilitate trustworthy car and lift sharing options.
- d. Share public transport options.



Priorities: Food

Scoring of recommendations

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. Easy access to healthy and affordable food	<ul style="list-style-type: none"> Feeding Britain Trussel Trust Squarefood Foundation Knowle West Food Network KWA Food Clubs Food banks Bristol City Council Schools Faith groups / churches Resident associations Community organisations 	3 Staff Capital costs (Levelling Up fund) Venue hire Storage Travel Logistics	2 Staff Coordination Engagement Partnership building Communications	2 Reduced greenhouse gas emissions (travel outside to get food) Difficult to quantify the carbon footprint of locally sourced food	5 Opportunities to access healthier food Improved dietary health reduced bills Food security Opportunities for local investment	3-5 years
2. Access to locally grown food	<ul style="list-style-type: none"> Community gardens Allotmenters Local farmers in nearby location Bristol City Council KWA Knowle West Food Alliance Food Clubs 	2 Staff Travel logistics	2 Staff Coordination Engagement Communications Partnership building Fundraising	3 Knowle West has natural resources for locally grown food that can be prioritised for community benefit Reduced greenhouse gas emissions (travel outside to get food)	5 Opportunities to access healthier food Improved dietary health Improved mental and physical wellbeing Reduced cost Opportunities for local investment	1-2 years



Priorities: Food

Scoring of recommendations

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. Educate and inform residents on healthy eating, cooking and growing their own food	<ul style="list-style-type: none"> Schools / youth groups / children / family centres Bristol City Council Bristol Good Food Squarefood Foundation Knowle West Food Network KWA Food clubs Food banks 	2 Staff Venue hire	2 Staff Coordination Engagement Partnership building Teachers Communications Fundraising Community Champions	2 Consider lower carbon impact initially as healthy options may require investment and increased emissions before realised. Food education to reflect the needs of diverse communities Reduced meat (and dairy) consumption Altered dietary patterns & reduced food waste.	3 Reduced cost of buying compost/vegetables/fruit by producing their own (security in local food supply) Increased interest in the natural environment and food, and the link Increased connection to the community and the environment	1-2 years
4. Build connections in the community around food	<ul style="list-style-type: none"> Knowle West Food Alliance KWA, KWMC Squarefood Foundation Community Groups Food Clubs Schools Faith Groups / Churches Resident associations 	1 Staff	1 Staff Coordination Engagement Partnership building Teachers Communications Fundraising	1	5 Social cohesion and integration Tackle social isolation	1-2 years

Priorities and Actions: Food



PRIORITY 1. Easy access to healthy and affordable food

ACTIONS:

- a. Work with existing food banks and food clubs and initiate and enable food cooperatives, to supply food needed in the community, also reflecting the needs of diverse communities.
- b. Build more partnerships with external food waste reduction agencies (e.g fairshare).
- c. An affordable supermarket in Filwood Broadway.

PRIORITY 2. Access to locally grown food

ACTIONS:

- a. Support community gardens to provide spaces for community growing, this include operational , funding, legal and volunteering support amongst others.
- b. Encourage larger amounts of produce across the community's growing spaces to share across the neighbourhood.
- c. Make us of a digital network, like Olio for sharing produce across the community.
- d. A subsidised fresh food market in Filwood Broadway - build working relationships with local farmers.

PRIORITY 3. Educate and inform residents on healthy eating, cooking and growing their own food

ACTIONS:

- a. Educate on the health and low-carbon impacts of plant-based food, unprocessed, locally sourced foods.
- b. Initiate opportunities to learn about growing and support apprenticeships in community gardens.
- c. Cooking masterclass using locally sourced ingredients and considering food miles / impacts of the food we eat.

PRIORITY 4. Build connections in the community around food

ACTIONS:

- a. More food events like the Community Sunday Roast hosted by Knowle West Food Network and Knowle West Alliance.
- b. Opportunities for cultural integration in the neighbourhood, like Africa Day cooking at schools, or shared meals during street parties.
- c. Support small local food businesses during local events.

"It is important to see value in natural spaces"

–Marie Baur Wilkins, Community Grower at Bramble Farm



Priorities: Nature

Scoring of recommendations

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. Bring nature to people where they are	<ul style="list-style-type: none">• Avon Wildlife Trust• Residents' Associations• Local Growers• KWA• Community gardens• Green space volunteering and campaigning groups• Churches• Schools and youth / children organisations• Councillors• Bristol City Council• Bristol Tree Forum• Ecologists• We Can Make• KWMC/ KWMC The Factory• Artists• BCC Highways	3 Staff Infrastructure Capital costs Maintenance	3 Staff Engagement Organisational capacities planning Planting Maintenance	4 More trees planted Creating wildlife corridors Better habitat for local wildlife	5 Improved mental and physical wellbeing Increased connection to the community and the environment Reduced overheating risk Reduced inequalities	1-2 years Relatively small efforts and projects can achieve quick results 1-5 years Some efforts like tree planting will take longer and be more costly
2. Create accessible and safe green spaces	<ul style="list-style-type: none">• Bristol City Council• Councillors• WECA• Residents• Schools• Youth organisations• Churches• Residents' Associations• Community gardens• Green space volunteering and campaigning groups• Bristol Waste Company• Avon Police	4 Staff Infrastructure capital	4 multi stakeholder involvement staff engagement infrastructure	3 Equitable access to green spaces Better habitat for local wildlife	5 Equitable access to green spaces Opportunities for physical activity Improved mental and physical wellbeing Residents feeling safer and more confident in their community Creation of more attractive public spaces Less litter in public spaces Increased interest in the natural environment Increased community ownership and pride	Small changes 1-2 years 3-10 years for infrastructure changes



Priorities: Nature

Scoring of recommendations

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. Protect and preserve green spaces	<ul style="list-style-type: none">• The Northern Slopes Initiative• Friends of Novers Hill and Crox Bottom• Knowle West Futures• KWA• Councillors• Bristol City Council• WECA• Avon Wildlife Trust	2 Staff	2 Campaigning awareness engagement	3 Increased biodiversity Protecting the biodiversity Sustaining wildlife populations Better habitat for local wildlife	5 Residents feeling more confident in their community Increased community ownership and pride	1-2 years
4. Create educational and recreational opportunities for people in and around nature and wildlife	<ul style="list-style-type: none">• Youth / children Organisations• schools• Churches• KWA• KWMC/ KWMC The Factory• Avon Wildlife Trust• Local Community Gardens• Sports England• Bristol City Council• WECA• We Can Make	1 Staff	1 Engagement Promotion Partnerships	2 Sustaining wildlife populations Better habitat for local wildlife	5 Opportunities for physical activity Improved mental and physical wellbeing Increased interest in the natural environment and food Reduced social isolation	1-2 years for events



Priorities: Nature

Scoring of recommendations

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
5. Connect local green initiatives up with other green spaces and groups	<ul style="list-style-type: none">• Avon Wildlife Trust• Local community gardens• Residents' associations• Community gardens and growing spaces outside of Knowle West. BS3, BS4, BS13, BS14.• Wildlife groups• MyPark Bristol• Get Growing Trail• Festival of Nature• KWA• KWMC	2 Staff Technical networks	2 Engagement Communications Digital tools	3 Widely adopted agricultural practices that reduce emissions & increase soil carbon Protect & promote biodiversity	4 Increased interest in the natural environment and food Food security Skill creation through volunteering and training sessions Sharing and access to more skills and resources	1-3 years



Priorities and Actions: Nature

PRIORITY 1. Bring nature to people where they are

ACTIONS:

- a. Raised beds on streets, front garden planters and greening up alleyways.
- b. Plant wildflower meadows[1] in verges.
- c. Plant more trees in parks and create a network of street trees, using wide pavements and road space to increase canopy coverage close to where people live.
- d. Creative projects to connect people with nature, including wildlife walks with ecologists, and other means like photography.
- e. Encourage wildlife friendly gardens, especially for front of houses, retaining hedges, bird and bat boxes, especially for front of houses (as opposed to paving them over), retaining hedges and introduce bird and bat boxes.
- f. Create sharing opportunities like cuttings of house plants and seed swaps.

PRIORITY 2. Create accessible and safe green spaces

ACTIONS:

- a. Raised beds for wheelchair users with accessible walkways onto site and around the beds.
- b. Accessible paths and seating areas in green spaces.
- c. Create a map showing the accessible paths in green spaces in the neighbourhood.
- d. Address safety, with support from partner organisations, police and residents to address anti-social behaviour in the green spaces in the neighbourhood.
- e. Community clean ups and litter picks.

PRIORITY 3. Protect and preserve green spaces

ACTIONS:

- a. Set up Knowle West as a Nature Reserve.
- b. Amplify and support the campaigning initiatives in the area.
- c. Improve the habitats to support biodiversity.
- d. Work with developers to Introduce Sustainable Drainage systems in new developments (SUDS).

"Being able to spend time in nature makes you appreciate the value of wildlife for its own sake, not just to grow vegetables."

–Marie Baur Wilkins, Community Grower at Bramble Farm



Priorities and Actions: Nature

PRIORITY 4. Create educational and recreational opportunities for people in and around nature and wildlife

ACTIONS:

- a. Educate and inform about nature and create supported spaces to share local knowledge and learn together as a community.
- b. Nurture a sense of belonging for local people, involving people to co-create shared resources within their neighbourhood alongside artists and designers.
- c. Involve residents in enabling a network of street trees - create "how to kits", signed off and supported by BCC Highways & other key departments, supported by neighbourhood based care and stewardship programmes.
- d. Organise recreational and sports events in the green spaces.
- e. Engage with and support programmes in schools like Eco-Warriors within the wider context of the community.
- f. Support existing walking groups by attracting more people and help people set up their own groups where they live.

PRIORITY 5. Connect local green initiatives up with other green spaces and groups in Knowle West and beyond

ACTIONS:

- a. Create a network, which will allow for sharing skills, knowledge, and resources to better support the community growing spaces.
- b. Encourage more volunteering capacity in green spaces and community growing spaces.
- c. Connect school initiatives up with what is happening in the wider community around green spaces.

"Lots of green areas, but they're all siloed off, if we can put little tunnels in our walls to allow animals to move abouts."

-Citizen scientist, Collect to Connect



Priorities: Waste and Resources

Scoring of recommendations

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. Active campaigning to address fly-tipping	<ul style="list-style-type: none"> Community Organisations Councillors Resident Associations Volunteering groups We Can Make KWMC - the Factory Schools Bristol City Council KWA KWMC Bristol Waste 	2 Staff Fabrication	2 Staff Coordination Project management Communications Engagement Artists Partnership building Fundraising Community Champions	3 Medium - fly-tipping is seen as a priority in the area, if the spaces are looking more beautiful, people will be more likely to enjoy their neighbourhood more which will bring more benefits. Creation of more attractive public spaces	5 Fly-tipping is an eyesore in the community, this will lift people's spirits if this gets addressed. Community brought together Residents feeling safer and more confident in their community Increased community ownership and pride Opportunities for physical activity Increased connection to the community and the environment	1-2 years
2. Create networks and opportunities for sharing of resources and skills across Knowle West	<ul style="list-style-type: none"> Community Organisations Resident Associations Community gardens Volunteering groups Bristol Tool Library Library of Things Councillors We Can Make KWMC - the Factory Schools Bristol City Council KWA KWMC Bristol Waste 	2 Staff Space hire Transport solutions Website / app design/ hosting Teachers	2 Staff Coordination Project management Communications Engagement Partnership building Sponsorship Teachers Mentors Community Champions	3 Data to understanding where community waste is generated and minimising the waste Hugely altered consumption patterns, buying less and re-using/repairing more	4 Saving money skill creation through volunteering and training sessions Building a stronger, more connected community through sharing resources and skills	1-2 years



Priorities: Waste and Resources

Scoring of recommendations
 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. Reduce food waste and increase food composting	<ul style="list-style-type: none"> Community Organisations Resident Associations Community gardens Volunteering groups Councillors KWMC - the Factory Schools Bristol City Council KWA KWMC Bristol Waste 	1 Staff Transport logistics	1 Staff Coordination Project management Communications Engagement Partnership building Sponsorship Community Champions	3 Reduced waste going to landfill	2 Altered dietary patterns & reduced food waste Reduced bills Resilience - food security (less food waste)	1-2 years
4. Reduce plastic packaging at shops and fast food outlets	<ul style="list-style-type: none"> Councillors Local shops and fast food outlets Schools community groups / resident associations KWMC - the Factory KWA Sponsors - (businesses) 	1 Staff Communications	1 Staff Coordination Project management Communications Engagement Partnership building Sponsorship Community Champions	2 Small amount of shops, means low waste generation by the population of the community Less packaging and waste	3 Increased community ownership and pride	1-2 years



Priorities and Actions: Waste and Resources

PRIORITY 1. Active campaigning to address fly-tipping

ACTIONS:

- a. Request fly tipping data from Bristol Waste to understand hotspots and any trends in our community.
- b. Highlight and investigate the structural issues involved in addressing fly-tipping in the neighbourhood.
- c. Working with residents and volunteer groups, identify the community effects of fly tipping - nuisance, cost, safety & health.
- d. Design an awareness creative campaign in the neighbourhood to highlight the issue and get local people together to start standing up against it and get press coverage.
- e. Design petitions and campaigns to bring fly-tipping in Knowle West on the agenda with Bristol City Council.

PRIORITY 2. Create networks and opportunities for sharing of resources and skills across Knowle West

ACTIONS:

- a. Research to understand what causes waste, which items are people likely to share; what skills are available and needed.
- b. Set up tool sharing / libraries by working with multiple stakeholders, potentially looking at online sharing tools, which enable people to share with each other, also considering having a base as a tool sharing library itself.
- c. Create more training and skill-sharing opportunities: household repairs, mending groups, teach bike-repair skills, clothes swaps.
- d. Support reclaim and reuse of materials from demolition and construction sites for reuse on local projects (WeCanMake urban mine)

PRIORITY 3. Reduce food waste and increase food composting

ACTIONS:

- a. Educate and support residents how to cook healthy food, while reducing waste i.e batch cooking, cooking with leftovers.
- b. Develop a communication strategy to offer free support including recipes, pictures and videos in accessible formats.
- c. Work with schools, community organisations and businesses to support a localised food composting scheme.
- d. Support better access to surplus food in the neighbourhood – like community fridges, and use of the Olio App, as an example.

PRIORITY 4. Reduce plastic packaging at shops and fast-food outlets

ACTIONS:

- a. Understand plastic waste in the community from retail and domestic consumption by plastic count campaign.
- b. Report how plastic waste is generated in KW and the ultimate fate of wastes - how much by proportion is littered?
- c. Work with local shops and fast food outlets and explore solutions to support them to phase out plastic packaging. Start with plastic bags and food containers.
- d. Design a KW reusable material bag which reflects the local identity and make this available at local shops for sale instead of plastic.



Priorities: Energy

Scoring of recommendations

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 and empower local residents towards energy literacy	<ul style="list-style-type: none">Bristol City CouncilCentre for Sustainable EnergyBristol Energy NetworkKWMC,KWAWe Can MakeCHEESE Project	2 Staff	2 Staff Coordination Research Facilitation Engagement Editorial communications	2 Resources are available, need to be pulled under a climate campaign	5 Reduced bills Removing a barrier	1-2 years
2. Support residents to access grants for solar and other energy saving measures	<ul style="list-style-type: none">Bristol Energy NetworkResident AssociationsCommunity groupsWECABristol City CouncilRetrofit WestDEFRACity Leap	4 Capital investment Staff	3 Staff Engagement Coordination Editorial communications	4 Security in energy supply Smarter & more flexible management of energy demand, including storage	5 Reduced fuel poverty Reduced bills Removing a barrier	5-10 years



Priorities: Energy

Scoring of recommendations

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. Develop shared energy infrastructures at neighbour-to-neighbour, street and community level	<ul style="list-style-type: none">• Bristol Energy Network• Residents• WECA• Bristol City Council• City Leap• Community groups• Businesses• Social benefit Investors• Business advisors• Universities• WeCanMake• KWMC	5 Significant capital investment Staff Research, technical, legal and financial expertise	4 Staff Coordination Engagement Researchers Partnerships development Technical, legal, financial experts	4 Smarter & more flexible management of energy demand, including storage	5 Reduced inequalities Community brought together Increased community ownership and pride	5-10 years
4. Work with landlords to improve energy efficiency in private and socially rented homes	<ul style="list-style-type: none">• Residents• Housing associations• Landlords• Bristol City Council• Acorn• KWA• Bristol Energy Network• CHEESE Project• WECA• City Leap	2 Staff Partnerships Incentives	2 Project coordination Engagement Partnership building	2 This might not influence long term behaviours Improving all homes to EPC standard C	5 Improved mental and physical wellbeing	1-2 years

Priorities and Actions: Energy



PRIORITY 1. Support and empower local residents towards energy literacy

ACTIONS:

- a. Create a vision for Knowle West as a fair and just Energy Community.
- b. Hands-on workshops and DIY demonstrations.
- c. Set up a local "one-stop-shop" to advise residents how to save energy with a clear communications strategy to reach residents who need this support the most.
- d. Empower local people to share their own stories with tips and tricks on energy saving in the community.
- e. A local roadshow/ outreach to attend sessions where people meet.

PRIORITY 2. Support residents to access support and grants for solar and other energy saving measures

ACTIONS:

- a. Set up a "one-stop-shop" or a forum with aggregated information, which is applicable for residents in KW.
- b. Offer personal support or clinics where people can find out more about the offers and support on how to access these offers.
- c. Energy champions in the community can enable people to feel more supported beyond the initial application and assessment and become champions themselves.

"You can put up solar panels anywhere, and have a central hub where this energy goes to. I'll be more than happy for the spare energy that I had to go to one of my neighbours."

–Danielle Houghton

Priorities and Actions: Energy



PRIORITY 3. Develop shared energy infrastructures at neighbour-to-neighbour, street and community level.

ACTIONS:

- a. Explore tenure blind investment models and business plans to fund renewable energy infrastructure.
- b. Identify suitable locations for renewable projects - wind, solar PV & thermal.
- c. Explore with residents viability of shared street energy systems and potential sites for pilots.
- d. Develop a neighbourhood off-setting fund that generates carbon credits for local retrofit works to homes and community buildings. Focus on locking carbon up in longlasting bio-material based building components that are produced locally (for example windows, doors, insulation panels) helping to create community wealth through creating local jobs, skills, and infrastructure.
- e. Invest in creating a shared neighbourhood renewable energy infrastructure that engages in a tenure blind way with the distinctive built form of our interwar estate, focusing on semi-detached homes, short terraces, whole streets, and clusters of 50-100 homes at a time. Shared solar arrays; shared whole-building air-source heat pumps; shared whole-street ground source heat pumps; and micro-grids that can power 50-100 homes at a time – that are designed become part of a replicable and scalable energy “kits of parts” that could accumulatively transform the energy system of our whole neighbourhood.

PRIORITY 4. Work with landlords to improve energy efficiency in private and socially rented homes

ACTIONS:

- a. Establish a network of landlords and social housing associations to build relationships for improving energy efficiency.
- b. Campaign for healthy damp-free homes.
- c. Research grants and loan opportunities for landlords.
- d. Empower tenants with support to improve energy efficiency through DIY draught proofing etc.
- e. Work with partners in the City on a solution across communities, improving all homes to EPC standard C.



Priorities: Business and Education

Scoring of recommendations
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. Work towards removing the systemic barriers preventing people from taking climate action	<ul style="list-style-type: none">• Bristol City Council• Councillors• WECA• residents• Schools, Youth organisations• Churches• Residents' Associations• Community gardens• Green space volunteering groups, Campaigning groups,• Bristol Waste Company• Avon Police• Knowle West Alliance	2 Staff	2 Staff Coordination Project management Communications Engagement Partnership building Fundraising Community Champions	3	5 The same barriers faced into climate action, are the barriers which cause health inequalities and other disadvantages.	3-10 years
2. Improve information infrastructure to get climate messaging to all residents	<ul style="list-style-type: none">• Knowle West Alliance - The Knowledge• Councillors• Schools• Community groups and organisations• Resident associations• Bristol City Council• Faith groups / Churches	1 Staff	1 Staff Coordination Project management Communications Curating content Engagement Partnership building Fundraising Community Champions	2	3 Building a stronger, more connected community through sharing resources and skills	1-3 years Infrastructure already exists, but needs to be redesigned.



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
3. Design programs which embed learning and apprenticeship opportunities for young people and adults with career pathways	<ul style="list-style-type: none"> Bristol City Council Councillors WECA City Leap residents Schools, Universities Youth organisations Churches Residents' Associations Community gardens Green space volunteering groups, Knowle West Alliance 	3 Staff	<ul style="list-style-type: none"> Staff Educators Coordination Project management Communications Engagement Partnership building Fundraising Community Champions 	3 Important opportunity for behaviour change Importance of STEM subjects to increase impact	4 Empowerment of young people building a stronger, more connected community through sharing resources and skills	3-5 years Education schemes take time to become established
4. Structure neighbourhood retrofit to create community wealth by helping to grow local skills, jobs, and infrastructure for a just transition	<ul style="list-style-type: none"> Bristol City Council Councillors WECA City Leap We Can Make KWMC Bristol Energy Network Residents Trades people Trade schools Universities Knowle West Alliance 	4 Staff	<ul style="list-style-type: none"> Staff Coordination Project management Training programme Design Accreditation Standard support Legal support Communications Engagement Partnership building Fundraising 	1 Retrofit	5 Building a stronger, more connected community through sharing resources and skills	3-10 years Education schemes take time to become established



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
5. Encourage public action on local climate and social priorities, through training and identifying opportunities for impact and policy changes	<ul style="list-style-type: none">• Bristol City Council• Councillors• WECA• Residents• Schools• Universities• Youth organisations• Churches• Residents' Associations• Knowle West Futures• Knowle West Alliance	1 Staff	Staff Educators Coordination Communications Engagement Partnership building Community Champions	3	4 High level decision makers (ie national gov) influenced to make positive changes. Building a stronger, more connected community through sharing resources and skills	3 -10 years Training schemes take time to become established, but to make policy change, takes longer



Priorities and Actions: Business and Education

PRIORITY 1. Work towards removing the systemic barriers preventing people from taking climate action

ACTIONS:

- a. Community climate action is to be restorative, working towards deep transformation in the community, working with partners and resident organisations:
 - Support for adults in confidence building programmes.
 - Support for parents in home life and with children's education.
 - Support residents to address anti-social behaviour in the neighbourhood.
- b. Work with existing volunteering and community groups and support them to address the systemic operational barriers they face, such as litter picking groups and community gardens.

PRIORITY 2. Improve information infrastructure to get climate messaging to all residents

ACTIONS:

- a. Design an initial communication and engagement plan to reach out to resident groups and organisations to share the community climate conversation suggestions and build upon that.
- b. Set up a core climate communications group, to support what messaging and language are most effective.
- c. Identify local residents "community champions" who can share their experience in their own words making content relatable to others.
- d. Create a map to understand the communications flow in the neighbourhood and to decide which communication channels are most effective for climate messaging.
- e. Use digital tools to broadcast positive messages to connect with the natural environment.

" I just want to see fair play to the people, there are a lot of good people here"

–Paul Butt



Priorities and Actions: Business and Education

PRIORITY 3. Design programs which embed learning and apprenticeship opportunities for young people and adults with career pathways

ACTIONS:

- a. Initiate and support apprenticeship opportunities into gardening and food growing, the food industry, and STEAM subjects working with multiple agencies in Knowle West and Bristol wide.
- b. Identify community champions and support them through training and education programmes, to empower them in what they are already doing.
- c. Seek out opportunities with Bristol City Council and other strategic decision-makers and funders such as NHS and Innovate UK to join up funding and interventions around energy, health, nature, and skills development in ways that support a “whole people & place” approach.
- d. Reach out to corporations for social value funding - donations and resources for Knowle West climate resilience activities.
- e. Offer training and upskill programmes and negotiate contracts for local work with local contractors and facilitators.
- f. Climate change outreach at Knowle West primary schools to explain the priorities and options for STEM.

PRIORITY 4. Structure neighbourhood retrofit to create community wealth by helping to grow local skills, jobs, and infrastructure for a just transition

ACTIONS:

- a. Upskill traditional tradespeople to be able to deliver retrofit through skills training on using biomaterials, support and funding for gaining retrofit certifications, and develop a new place-based Retrofit Apprenticeship School to widen and sustain participation in this new green industry.
- b. Prioritise the use of retrofit building components that use biomaterials and non-extractive materials, and are locally produced. This includes investing in Knowle West's community factory to use localised digital fabrication tools and train local people to make components, such as cladding, windows, doors and shutters.
- c. Work with Bristol City Council and City Leap to develop procurement frameworks and mechanisms that enable local trades people, SMEs, and community businesses to easily plug into large scale retrofit delivery programmes. This will help maximise opportunities for generating social value through local jobs and skills.

PRIORITY 5. Encourage public action on local climate and social priorities, through training and identifying opportunities for impact and policy changes

ACTIONS:

- a. Workshops that explain climate change, like: <https://climatefresk.org/world/>
- b. Education on local government structures and opportunities for impact and policy change. the role of politics and how to lobby on climate policy as example: <https://www.theclimatecoalition.org/write-to-your-mp>
- c. Facilitated discussions and debate forums on global and local climate policies and regional impacts.



Priorities: Homes and Buildings

Scoring of recommendations

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 and empower people to retrofit their homes and streets in ways that support their own health and happiness, the health of their neighbourhood and health of the planet	<ul style="list-style-type: none"> Residents Housing Providers Bristol City Council WECA We Can Make KWMC/ KWMC The Factory KWA 	5 Staff Contractors	5 Staff	5 Increased/ improved insulation on all housing stock	5 Reduced fuel poverty Improved mental and physical wellbeing Lower energy costs	3-5 years Dependent on funding and political context
2. Create a pathway for the retrofit of homes, streets, and buildings where everyone feels invited and can contribute	<ul style="list-style-type: none"> Residents Housing Providers Bristol City Council WECA We Can Make KWMC/ KWMC The Factory KWA 	5 Staff Contractors	5 Staff	5 Increased/ improved insulation on all housing stock	5 Reduced fuel poverty Improved mental and physical wellbeing Lower energy costs	3-5 years Dependent on funding and political context



Priorities: Homes and Buildings

Scoring of recommendations

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. Design and implement infrastructure for localised shared heat networks	<ul style="list-style-type: none"> Residents KWMC We Can Make KW Alliance Anchor organisations i Landowners Landlords Bristol City Council Bristol City Leap BEN WECA Bristol Energy Cooperative Universities MSCFoundation 	4 Staff Researchers Data analysts engineers	4 Staff Data analysis Coordination Engagement Communications	4 Hugely reduced energy demand from buildings New buildings and developments that achieve net zero emissions Smarter & more flexible management of energy demand, including storage	1 Opportunities for local investment Equal access	3-5 years Dependent on funding and political context
4. Support all residents to install heatpumps in their homes	<ul style="list-style-type: none"> Residents (mixed tenure) City Leap Bristol City Council WECA Contractors Universities 	5 Capital investment Staff Eechnicians Engineers Specialists Research	4 Staff Data analysis Research Coordination Engagement Technicians Engineers Specialists	4 Reduced greenhouse gas emissions Increased/improved insulation on all housing stock Smarter & more flexible management of energy demand, including storage	5 Reduced fuel poverty Improved mental and physical wellbeing Reduced bills Removing a barrier	3-5 years Dependent on funding and political context



Priorities and Actions: Homes and Buildings

PRIORITY 1. Support and empower people to retrofit their homes and streets in ways that support their own health and happiness, the health of their neighbourhood, and health of the planet

ACTIONS:

- a. Adopt a "whole people & place" approach to retrofit that includes bio-based fabric improvements, energy performance and renewable energy, spatial improvements to homes and improving green infrastructure.
- b. Build confidence and empower residents to make changes together through a street and place-based co-design approach to retrofit that includes interventions on the surrounding street and neighbourhood e.g: street and trees, rainwater harvesters, secure shared bike storage, and street public realm improvements for play, shade, and social connection.
- c. Enable skills sharing in the neighbourhood through Trade Schools and training programmes so people can design, make and install low-cost retrofit measures, such as draft proofing, that improve their homes and their health.
- d. Set up a "one-stop-shop" to advise on technicalities, grants, loans, administrations and processes, regards to improving energy efficiency, also tackling damp, tips to stay warm and other energy saving measures.
- e. Provide support and loan kit to help people creatively engage and socialise retrofit ideas and action with their neighbours (eg playing out kit, demonstrator kit, arts and events kit).

PRIORITY 2. Create a pathway for the retrofit of homes, streets, and buildings where everyone feels invited and can contribute

ACTIONS:

- a. Work across the neighbourhood ensuring everyone feels invited and that solutions can be adopted by anyone, whether they rent from the council, rent privately or own their home, also referred to as a "tenure blind" approach.
- b. Enable an accumulative transition to deep retrofit, through a "kit of parts" approach. This takes fuller account of the highest points of impact, the phased management of council housing stock, and the realities of family budget for home improvements.
- c. Develop a practical guide for people about what retrofit measures and interventions they can take and what will work best for the typologies of homes found in Knowle West - referred to as a "Retrofit Pattern Book".



Priorities and Actions: Homes and Buildings

PRIORITY 3. Design and implement infrastructure for localised shared heat networks

ACTIONS:

- a. Collect data and create a map of the area to understand the potential for shared energy assets in the community, including public and commercial buildings, homes, and other assets.
- b. KW as a just energy transition neighbourhood to support work across communities in Bristol.
- c. Partner with Bristol City Leap and Vattenfell to connect KW to the Bristol Heat Network.

PRIORITY 4. Support residents to install heatpumps in their homes

ACTIONS:

- a. Support for all residents - homeowners, private and social housing tenants.
- b. Assess homes to estimate retrofit requirements to optimise heat pump operability.
- c. Social housing boiler survey - identify where boilers should be replaced and share with housing association.
- d. Review of energy providers that offer incentives to install heat pumps.
- e. Consider shared heat pumps where possible assets can be shared.
- f. Support with building alterations and infrastructure to be able to install heat pumps at homes.
- g. Support to local technicians and contractors to tender for business.

"We are changing all our lights to LED, which is more cost effective and gives you a lower carbon footprint, which is essential. We have noticed what a difference it made on our bills by changing all the lights to LED, and the rooms are much brighter too."

–Paul Butt

Acknowledgements



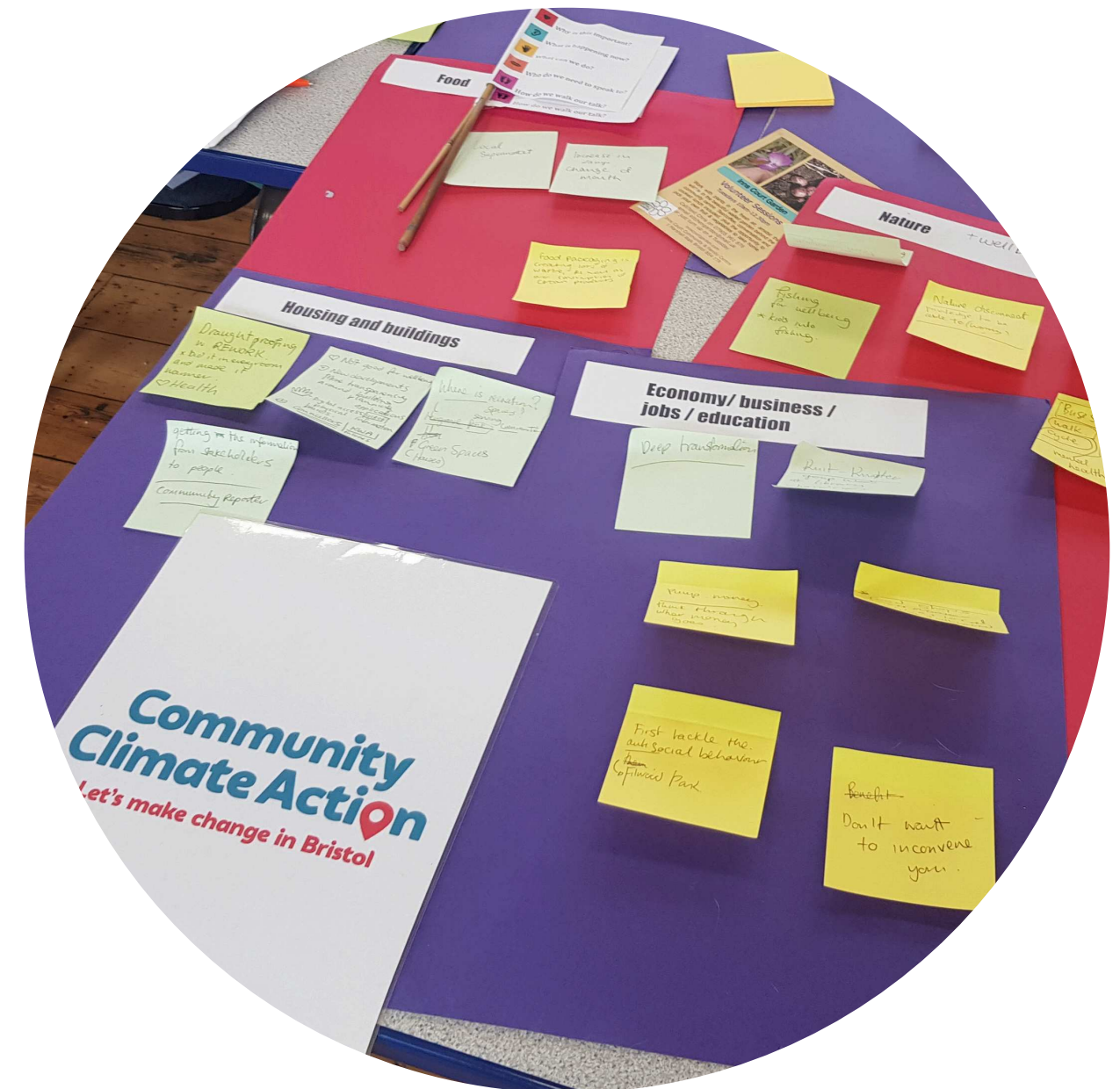
Thank you to the residents, schools, older people, young people and local organisations, who shared with us what is important to them in Knowle West.

Especially thanks to the following groups and organisations who were part of the Community Climate Action Conversations in 2023-2024.

Knowle West Alliance, Connaught Oasis Academy, Squarefood Foundation, Knowle West Fest, Knowle West Food Network, Knowle West Health Park, Belfast Walk Gardens, Inn's Court Community Garden, Inn's Court Residents Group, Inn's Court Walking Group, Man Alive, Sprint Community Transport, Knowle West Health Park Walking Group, Filwood Community Centre, St. Barnabas Church, Northern Slopes Green Gym, Bramble Farm, Springfield Community Allotment, We Are More Afterschool Club, One Love Hub, Knowle West Futures Forum, We Can Make, Knowle Park Primary, Rework, Youth Council, Collect to Connect Neighbourhood scientists, Garden Lab Whispers Grow creative team, KWMC.

Special thanks to the Knowle West Alliance team for supporting community connections.

Also Bristol Climate & Nature Partnership, Bristol City Council, Centre for Sustainable Energy and the other community organisations for their support and collaboration through developing the Community Climate Action Plans.



Let's make change in Knowle West



Let's make change in Knowle West



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 benefits



Health & wellbeing

- Reduced fuel poverty
- Opportunities for physical activity
- Reduced noise pollution
- Reduced air pollution
- Improved dietary health
- Increased community pride
- Reduced social isolation
- Improve mental health/wellbeing

Economy

- Job creation
- Green jobs training and apprenticeship opportunities (young people)
- Improved business efficiency
- Improved household finances
- Opportunities for skills and training
- Money retained in the local economy
- Opportunities for local investment
- Lower energy costs
- Lower energy tariffs
- Better public transport links

Environment

- Reduced greenhouse gas emissions
- Improved green spaces
- Reduced overheating risk
- Reduced flood risk
- Increased biodiversity
- Reduced waste going to landfill
- The creation of more attractive public spaces

Resilience

- Security in energy supply (fewer power cuts)
- Security in energy supply (less reliance on international imports)
- Food security (security in local food supply)
- Flood risk mitigation

Community 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 / community cohesion
- Improved public sector finances
- Greater voice, agency, and influence of communities in climate decision-making
- Educational opportunities for children and young people

Equalities

- Equal access
- Preventing the creation of new barriers
- Removing a barrier
- Minority voices amplified and able to influence decision-making



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

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 and reduced food waste.
- Less demand on shop bought edibles
- Less packaging and waste
- Safe disposal of older appliances that contain Freon Gas which depletes the ozone layer
- More food waste going to biomass production

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

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

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

Let's make change in Knowle West

"Knowle West is a place of contrast, blessing and challenge. People are very loyal, welcoming and loving with a strong sense of identity and community. But people also have a sense of being excluded by other parts of the city, a kind of hinterland. However, once you are here there is a richness of trust."

–Rev. Clive Hamilton, St Barnabas Church

"I think giving children the tools to dry out seeds, growing their own produce and cooking with it is so important. Once you remember a process that happens while you are having fun, especially in a nurturing environment, you tend to remember forever as it's a positive memory. I can always remember an older lady coming into my school and teaching a group of us how to knit, I absolutely love knitting to this day. I get the same feeling as I did then. Positive environments where people can be themselves are so important, it often leads to better things."

–Jasmine Tippet, We Are More Afterschool Club