

City of Bradford MDC

SUSTAINABLE DEVELOPMENT ACTION PLAN

2020-2021

Climate Emergency – the defining Issue

The Climate Emergency is the defining issue for local government requiring urgent and significant steps to limit our collective impact on climate breakdown and environmental damage, improve the resilience of Bradford District, its organisations, communities and households and ensure that economic growth is sustainable and inclusive.

Effective climate action presents significant challenges and requires deep reductions in emissions, fundamental changes to the ways in which we live and significant adaptation to a changing world. While the Council has a leading role to play in addressing the challenges, those challenges are shared by organisations across all sectors and people in all communities.

The Sustainable Development Action Plan sets out activities and actions that the Council, in partnership with Government, regional agencies, local businesses, organisations and communities, will take in 2020-21 to reduce the extent of climate change, adapt to its impact, promote and improve environmental stewardship and seize the opportunities it offers for a sustainable and inclusive development, new skills and jobs, better health and stronger communities.

The action plan represents a dynamic and evolving approach to Sustainable Development and the Climate Emergency. The year 2020-21 will see a number of key developments take place:

- The progression and implementation of national budget decisions around investment in climate action, clean growth and green infrastructure
- The implementation of a devolution deal for West Yorkshire
- The outcomes of the West Yorkshire and North Yorkshire Emissions Reductions Pathway study, which will identify the key climate actions and interventions required to achieve a net zero carbon city region by 2038
- National environmental policy and legislation
- Establishment of a proposed Sustainable Development Partnership for Bradford District
- Development of a revised Council Plan and 2040 Vision.
- COP26 Summit

The Sustainable Development Action Plan will align to and evolve in line with the outcomes of these developments.

The action plan is focussed on three areas of activity - leading by example, leading with others, and making the case for change. It is founded on the following principles:

- Ensuring a strong, healthy and fair society
- Living within environmental limits.
- Achieving a sustainable economy
- Using sound science responsibly

The plan will:

- Deliver a reduction in Council carbon emissions
- Increase recycling
- Limit the number of re-use and reduce items going into the waste stream
- Expand the use of renewable energy
- Improve air quality, health and well-being
- Achieve greater community engagement including at ward level on climate biodiversity and environment quality and stewardship
- Promote reductions in the use of cars and greater safety on our streets
- Generate improved communications presence and capacity, including online
- Establish a new strategic partnership
- Align climate action with the new Council plan and 2040 vision
- Build the evidence base around interventions, performance and outcomes
- Inform and progress a long-term strategy aligned to the budget process

We face a Climate Emergency

In January 2019, the Council declared a Climate Emergency, recognising the threat posed by climate change and the need for action and investment to be taken locally to help reduce its extent and to adapt to its impact. It set out its commitment to taking positive action to tackle and adapt to climate change in ways which promote fairness and social justice and support green job creation and sustainable, inclusive economic growth, improved health and well-being and reductions in household energy bills.

In June 2019, Leeds City Region (LCR) also declared a Climate Emergency and the Council has joined the LCR Climate Coalition which aims to achieve a net zero carbon region by 2038. In summer 2019, Leeds City Region (LCR) declared a climate emergency aiming for a 'zero-carbon city region by 2038, with significant progress by 2030'. This aim was adopted by Bradford Council in October 2019.

The global challenge

In 2018, the Intergovernmental Panel on Climate Change (IPCC) advised that global warming should be limited to a 1.5^o C increase. While this would present risks to health, livelihoods, food security and water supply, a 2^oC rise would be catastrophic.

Local impact

The impact of climate change is likely to be felt in Bradford District through, for example, increased frequency and intensity of flooding from surface water and rivers, the negative impact of higher temperatures on health, particularly that of the most vulnerable people, the potential impact on supply of food, medicines and essential goods and services and on the local ecology and environment. We will see more extreme weather events such as the floods of 2015 and more recently storms Ciara and Dennis. The District has close social and economic links to parts of the world that are likely to be seriously affected by rises in temperatures and sea levels.

Responding to the Climate Emergency will require deep reductions in emissions, fundamental changes in the way we work and live, and significant adaptation to a changing world. It represents a shared challenge in which everyone across all sectors of activity and in all communities must play their part.

Bradford District currently has relatively low levels of CO² emissions – 4.2 tonnes per capita per year in 2015 compared to a Northern Powerhouse average of 6.8 tonnes and a UK average of 5.9 tonnes.

The District's Economic Strategy sets out ambitions to grow the economy by £4bn by 2030 and our existing low rates of CO² emissions presents opportunities for approaches to be developed that ensure that this goal is achieved in a way that benefits everyone while at the same time reducing emissions as we move towards a net-zero carbon economy.

Opportunities: Clean growth, better health, connected communities

The Bradford District is home to some unique social, business and physical assets which, if fully and effectively harnessed, can position us well to take advantage of the exciting opportunities offered by climate action to build a fairer society by generating clean and inclusive economic growth, improving health and well-being and reducing household costs.

Business. The District is home to around 10,000 environmental sector jobs and some exemplar businesses including Textfelt, which manufactures underlay from recycled fibres and plastics, Yorkshire Water, which is creating a model development of sustainable housing and industry at Esholt, and the pioneering Ecology Building Society.

Community. The District has a strong and committed network of voluntary and community sector organisations around 1,500 strong with an estimated 100,000 active citizens. The “People Can” campaign is connecting increasing numbers of people to volunteering opportunities.

Partnerships. The District has a strong track record of successful partnership working between public services, business and the VCS, and across systems.

Research. Bradford University is providing international leadership on these agendas; its Centre for Sustainable Environments is pioneering interdisciplinary approaches to meeting environmental challenges facing civil engineering - reducing waste and developing more sustainable construction materials. The university offers the world’s only MBA focussed on the circular economy, aiming to use resources and energy more effectively.

Geography. The District’s physical geography offers significant potential for the generation of renewable energy, flood alleviation and carbon sequestration measures and community engagement in environmental, biodiversity and local food initiatives.

Harnessing the full power and potential of the District’s asset base will not only help us to tackle the challenges presented by the Climate Emergency but it will also open up major opportunities for new jobs, goods and services across all sectors.

Climate action offers opportunities to rethink how people travel, how heat and light are generated and improve built and natural environments as we adapt them to withstand climate change. This will generate new jobs, markets, innovation and sustainable economic growth through investment in a green economy. Developing new products, services, business models, and ways of working will be key to the entrepreneurial and commercial response both within the District but also across the city region and out into the world.

Research undertaken by Leeds City Region suggests that clean growth could add £11bn to the city region economy and create 100,000 extra skilled jobs for local people.

Through improving energy efficiency and reducing its overall use, climate action will cut costs to public services, businesses, community organisations and households.

Climate action offers opportunities for people to benefit from better health and well-being due to warmer, more efficient homes, greener transport creating cleaner air, and enhanced physical environments.

Significant opportunities are emerging to engage individuals and communities in positive action and participation in line with the principles of the Council’s “People Can” approach to community action and empowerment.

Your Council taking action

The Council has a strong track record of delivering carbon reductions - 47,446 tonnes CO₂e 2018-19, down from 84,789 tonnes CO₂e in 2013-14, which is a reduction of more than 40%. This has been achieved through a programme that includes building retrofits, renewable energy schemes, lower energy streetlights and tree planting as well as benefits from decarbonisation of the national grid. The Council enjoys an excellent reputation nationally, for instance through work supporting energy efficiency improvements with business, supporting city region-wide public transport and bus use, and sharing best practice with European partners.

The Council’s Climate Emergency declaration identified five flagship projects:

- Reducing the energy used for street lighting
- Delivering a district heat network, with the potential for saving on Council and partner heating costs.

- Expanding the network of electric vehicle (EV) charging points and numbers of EV vehicles.
- Increasing renewable energy and electricity generation on the Council estate.
- Embracing the opportunities offered by hydrogen through the H21 LCR scheme.

Work on these flagship initiatives is in progress building on and complementing an extensive range of existing work covering all areas of Council activity and including:

- **Energy efficiency programmes** including controlling the temperatures of workspaces to minimise emissions; upgrading and installing energy efficient technology; energy audits in schools.
- **Transport** – making the case for high-speed rail for Bradford city centre and mass transit across the Leeds City Region, alongside measures to reduce car use by promoting cycling and walking.
- **Key city centre regeneration schemes** such as the new Darley St Market and planned office development at One City Park have enhanced environmental performance and climate measures hardwired into their design.
- **Flood management** and natural flood management responses continue working with local communities and key public bodies such as the Environment Agency.
- **Tree planting and woodlands** - as part of the Council's ongoing contribution to the Northern Forest, an ambitious programme of tree planting and woodland creation is under way.
- **Peat bog protection and restoration** – re-wetting and sphagnum moss planting work to improve and restore important carbon sinks. A peat bog can store up to seven times the carbon of woodland.
- **Housing and urban design** - The new Bradford Homes and Neighbourhoods Design Guide brings together the very latest thinking in housing and urban design and has been developed with a wide range of community and housing partners. Bradford has won a national planning award for its requirements around electric vehicle infrastructure in new homes.

A more comprehensive list of existing activity is given at Appendix 1.

Work has been ongoing throughout 2019 and into 2020 to establish a Clean Air Plan and a Clean Air Zone in Bradford with a bid for significant resources having been prepared for Government approval. It was recently announced that initial £4m funding to support the development of the plan would be made available by Government.

Bradford is supporting the work of LCR and North Yorkshire to develop the West Yorkshire and North Yorkshire Emissions Reductions Pathway study in order to identify the pathways to the most effective climate actions and interventions to achieve its ambitions. The findings from the study should be available in summer 2020.

The Council's budget, agreed in February 2020, allocated £25m in new revenue and capital investment in climate action measures:

- **A tree for every child** - an ambitious programme to plant a tree for every primary school child in the Bradford District.
- **Waste management** – reduce, reuse, recycle.
- **Community projects** – biodiversity, environmental management and renewables.
- **More 20mph zones** promoting walking, cycling and cleaner air.
- **District heat network – the Council** identified this project as a priority when we declared the Climate Emergency in January 2019. The aim of the scheme is to significantly cut carbon in the provision of heat and electricity in the city centre.
- **Renewable energy projects** - feasibility study into a major scheme aiming to significantly cut carbon emissions and air pollution while reducing costs.

- **Climate change building controls** - this programme of work has underpinned the Council's strong performance in energy reduction over the past nine years.
- **Fleet electric vehicles programme** - this will support the transition of the Council's fleet to electric vehicles and an expansion of the associated charging infrastructure, which will cut carbon and improve air quality.
- **Flood alleviation** – on local moorland.

Circular economy and sustainability are major themes in key strategies e.g. the Economic Strategy and Housing strategy, alongside key regeneration schemes that focus on brownfield sites and reduce reliance on remote out-of-town locations, private car travel and promote the use of public transport.

Enhanced communications and engagement has been implemented to promote effective and practical action across households, communities, businesses and partners and policy support and co-ordination has been provided to political and senior management leadership.

Action Plan 2020-21

The Action Plan reflects our approach to District leadership of climate action and identifies action to be taken in three key areas of activity – leading by example, leading with partners and communities, making the case for change.



Leading by example.

- Strategic planning and alignment with new Council Plan, 2040 Vision and key strategies, making sure that all services identify how they will contribute to climate action.
- Progress implementation of investments in the Financial Plan 2020/21.
- Reduce emissions. Continue to deliver work on reducing Council emissions.
- Clean air. Delivering the Clean Air Plan, Clean Air Zone and air quality improvement.
- Promote public involvement and engagement
- Embedding climate action into procurement.
- Developing measures to assess our performance and progress towards our goals.
- Building Council capacity to deliver on its commitments.

Leading with partners and communities

- Establish a Sustainable Development Partnership.
- Regional partnership working on decarbonisation and environmental resilience.
- 2040 Vision - climate action and environmental stewardship will be key to the realisation of long-term strategic goals and will form a fundamental part of the 2040 conversation.
- Working on key schemes and with investors to ensure the “greening” of new developments and infrastructure.
- Supporting research and the development of a local evidence base to guide investment decisions.

Making the case for change

- Lobbying and positioning with Government and investors for resources and policy changes.
- Position the District with Government and private and social investors as the right place to invest in clean growth.
- Regional working - to strengthen the case for clean growth investment and to maximise opportunities for clean growth and green infrastructure arising out of the devolution deal for West Yorkshire that was secured by Council leaders as part of the Chancellor’s March 2020 budget.
- Winning hearts and minds - enhanced communications and engagement

Our guiding principles – a fair and sustainable economy

We want to live in a fair society within environmental limits. This means meeting the diverse needs of all people in existing and future communities, promoting personal wellbeing, social cohesion and inclusion, and creating equal opportunity. We will do it by means of a sustainable economy, good governance, and robust evidence.

The following principles will inform action across the Council and its partnership work.

- **Ensuring a strong, healthy and just society.** The Council is committed to working with its partners, communities, investors, businesses and Government to ensure long-term prosperity, well-being and resilience.
- **Living within environmental limits.** The Council, with the powers, resources and influence at its disposal, will seek to ensure effective climate action and a safe and high quality local environment, actively working to have a positive impact on the rest of the world. Respecting the limits of our environment, resources and biodiversity and ensuring that the natural resources needed for life are unimpaired and remain so for future generations.
- **Achieving a sustainable economy.** The Council, with its partners, is committed to growing a dynamic, sustainable, inclusive economy fit for the future. This includes seeking to create a safe, zero waste and circular economy in which our young people can find fulfilling livelihoods and have long-term prospects and healthy, happy lives.
- **Using sound science responsibly** The Council seeks to make decisions and operate based on sound and compelling evidence.

Sustainable Development Goals.

The Action Plan and subsequent strategies and plans will also be underpinned by the UN's Sustainable Development Goals (SDGs), many of which align with existing Council and District strategic objectives and activities.



Dynamic and evolving

Bradford's Climate Action Plan will:

- Deliver a reduction in Council carbon emissions
- Increase recycling and reduce the number of re-use and reduce items going into the waste stream
- Expand the use of renewable energy
- Improve air quality and health and well-being
- Achieve greater community engagement including at ward level on climate biodiversity and environment quality and stewardship
- Promote reductions in the use of cars and greater safety on our streets
- Generate improved communications presence and capacity including online
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The Action Plan is a dynamic programme of work that will evolve to reflect both proactive activity and the District's response to external announcements and events.

Bradford Council Sustainable Development Action Plan 2020-2021 March 2020

Action	Description	Timescale
Bradford Council – Leading by Example		
<u>Delivery – dedicated budget projects 2020-21</u>	<p>Critical investments to address key priorities, including public and business involvement in practical projects.</p> <ul style="list-style-type: none"> • Additional 20mph zones • Waste and recycling investment to support circular economy • Planting a tree for every primary school child • Community-led climate action across all wards 	All completed by March 2021
<u>Capital Programme Investment and scheme delivery 2020-21</u>	<p>Update financial decision-making guidance and requirements including for future capital investments.</p> <p>Renewables feasibility and investment (£5m); Fleet/EV programme (£1.8m); Civic Quarter district heat network (c. £14m); climate building controls (£500k p.a – 5 years); flood alleviation – moorland schemes - natural flood management projects ;others eg ICT Investment ; CCTV ;</p> <p>Ensuring all other schemes from 2020-2024 portfolio have climate and environment profile and reporting.</p> <p>Central Food Processing Unit (Mitre Court) upgrade</p>	<p>June 2020</p> <p>Capital programme deadlines</p> <p>December 2020</p>
Council operations and services	Integration into all Service Plans 2020-21 – first phase	June 2020
Estates – energy and emissions management	<p>Annual reporting to BEIS and Carbon Disclosure Project</p> <p>Rolling programme of improvements, repairs and renewal to Council heating, lighting and energy efficiency. 2020-21 programme of work;</p>	<p>Report on Progress by March 2021</p> <p>Annual report – March 2021</p>
100% renewable electricity from 2021-22	Ensure agreement signed with Npower for April 2021 onwards.	March 2021
Major schemes alignment and profiling	Portfolio in the region of £150-250m – profiling and reporting of climate and environment benefits, outputs and risks (see Clean Growth assessment – for all schemes linked to WYCA related funding streams, includes City Centre Transforming Cities Fund, cycling/walking, New Market etc) Quantification of the carbon impacts of current capital programmes within the Local Growth Deal, West Yorkshire Transport Fund and LPTIP funds	March 2021
Alignment with Clean Air Plan and	Clean Air Plan - B-CAP and clean air zone development – subject to consultation response.	September 2020

Clean Air Zone development and operation	Breathe Better Bradford campaign and action plan – alignment, benefits, outputs and enhanced impact Alternative Energy Centre; fleet and links to communications etc	
Key sectors including Housing Strategy - Other buildings eg offices, factories; Industry and business – operations; - Transport Strategy; Power infrastructure; - Land – working with nature	Housing Strategy delivery plan and resource identification, including involvement in the Scaling Up Better Homes Yorkshire project – Bradford involvement and city region, large scale retrofit scoping (LCR Energy Plan) District work to be developed after Pathways Study (LCR Energy Plan/emerging LCR Climate Emergency Plan) Attention on consumption emissions (from goods and imports) and other emissions eg methane.	October 2020 Ongoing
Flood alleviation and response	Continued support to communities and businesses especially those affected by storms and flooding; Development of affordable and effective natural flood management, peatland restoration and other forms of intervention. Maintenance of heatwave contingency plans.	Ongoing as part of essential core business
Other measures Strategies alignment, trade-offs and opportunities	Strategy delivery – Economic Strategy including circular economy progress; Housing Strategy delivery plan; Transport Strategy development; Cultural Strategy; Health and Well-being Strategy; Stronger Communities Together Strategy; Children, Young People and Families Strategy etc	Tracked progress to March 2021.
Health & Well-being and Public Health	Enhanced connections and alignment of Public Health/Environmental Health (core work and projects eg Living Well, Healthy Places (and Clean Air as above) to the Climate and Environment Emergency.	March 2021
Council fleet and staff travel	Implementation of ultra-low emission and electric vehicle fleet conversion and operation, with focus on demand management, routing and logistics. Electric Vehicle Strategy development and delivery with small fleet switched to EV within 5 years. Corporate Travel Plan to be updated, to focus on sustainable travel options for staff, minimising travel, active travel and include ultra-low emission staff travel options. The Travel Plan will continue support for subsidised travel passes, car clubs and smarter work planning.	March 2024
CBMDC – elimination of single-use plastics	Policy approval and progress on the elimination of harmful, conventional ‘single-use’ plastic	Policy in place by October 2020
Landscaping and dedicated green and blue infrastructure	Planned green and blue infrastructure and landscaping delivery of schemes during 2020-21	March 2021

Biodiversity duty/habitat network development and support	<p>Managing habitat change proactively alongside legal habitat protection and enforcement to ensure biodiversity and wildlife protection.</p> <p>Progress Bradford District Habitat Network – working to link key sites and corridors across and beyond the district</p>	March 2021
Procurement – Social Value and active contractor and supplier management	Improvement to procurement to take account of climate and environmental issues in decision making, contract management and monitoring e.g. for fleet upgrade plans for 2024	March 2021
Developer and investor dialogue – eg through proactive contact and planning system (eg Housing and Neighbourhood Design Guide)	<p>Proactive use and monitoring of the positive impact of the Housing and Neighbourhood Design Guide and scheme quality.</p> <p>Alignment with planning policy developments and Core Strategy Partial Review</p>	March 2021
Improved and co-ordinated work with schools	Work with schools – outreach, co-ordination and promotion of key projects and practical involvement of children and young people, teachers and governing bodies.	September 2020 – March 2021
Working with our Partners and Communities		
Creation of district Sustainable Development Partnership	<p>Support and work plan – developing a shared vision and interventions for how the district can cut harmful greenhouse gas emissions over the next 5 to 10 years.</p> <p>Develop sustainable development ambitions, measures and performance with a district focus on positive change.</p> <p>Bradford District – co-ordinated involvement in LCR Climate Coalition 2020-21</p> <p>Development of robust and deliverable district Climate and Environment Strategy, action plan update and resource plan for April 2021</p>	<p>July 2020</p> <p>March 2021</p> <p>March 2021</p>
Work with #TeamBradford partners	<p>Involvement and progress via district sustainable development partnership and/or LCR Climate Coalition</p> <p>Dialogue with parish and town councils and other organisations that have made commitments and are developing practical action.</p>	<p>March 2021</p> <p>Ongoing</p>
Public involvement	<p>Integration into 2040 Vision conversation and development; <i>dedicated consultation and engagement including online presence via Engagement HQ</i></p> <p>Community-led climate action in all 30 wards – as above;</p> <p>Support via People Can & Stronger Communities Together</p> <p>Alignment and integration within Culture Strategy and cultural programming including Bradford2025</p>	<p>October 2020</p> <p>March 2021</p> <p>March 2021</p>

	development and BradfordLEAP	
	Headline events in Summer 2020 including Bradford Science Festival (9-12 July)	December 2020
	Business profiling with Economic Partnership linked to Circular Yorkshire month	November 2020
Working with West Yorkshire Combined Authority and our partner Councils		
Strategic Economic Plan, LCR Transport Strategy and key plans delivery including Zero Emissions Transport and LCR Connectivity strategy	Including LCR Business Support including Resource Efficiency and Circular Economy (Re-Biz Programme) With Transport for the North - Including Northern Powerhouse Rail, Leeds City Region Mass Transit	October 2020
Net Zero LCR and Clean Growth Policy and Action Plan	Net-zero carbon - LCR – leadership support; Partnership work with WYCA Clean growth assessment of major schemes and proposals ; investment appraisal and assurance ; schemes monitoring – in development Carbon / Sustainable Development Assessment approach under development - in development	March 2021
Leeds City Region Energy Strategy and Delivery Plan (ESDP)	Research – WY&NY Pathways study & Zero Emissions Transport Pathways – input into District evidence base Market shaping LA Procurement (Business Rates Pool project, subject to approval) – Council involvement Large scale public sector renewables (SOLAR PV) feasibility (Business Rates Pool project, subject to approval) – Council involvement Other aspects of the ESDP and projects – as Leeds City Region work plan progresses towards LCR Climate Emergency Strategy	June 2020 March 2021 March 2021 March 2021
WYCA - environment and flood resilience	WYCA responded quickly following the incident to offer funding support for these businesses. They have provided a sum of £250k to Bradford, which has been received by Economic Development. The Government subsequently announced its support for areas that had been impacted. To qualify for support, a minimum of 25 residential properties had to be affected. Our eligibility was confirmed 21 st February. As well as support to residential properties, Government is providing businesses with Recovery Grants of £2.5k, grants of £5k to fund resilience measures as well as business rate relief. The costs to the Council for providing this will be recovered from Government. The Council's Economic Development team is currently	June 2020

	<p>supporting businesses to access the recovery grant assistance. Application forms and guidance can be accessed from the Invest in Bradford and main Council websites.</p> <p>Discussions are ongoing with WYCA regarding the funding it has provided. It may be used to fund any grants that are ineligible for Government support and might provide for costs of delivering a Flood Resilience Scheme for businesses.</p> <p>WYCA will be providing larger scale grant support to key businesses that were catastrophically impacted with grants of up to £50,000. This will be funded from the BGP with Growth Managers leading on the assistance to these businesses.</p> <p>LCR Green and Blue Infrastructure Strategy and Delivery Plan – see Working with Nature above</p>	
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Making the Case for Positive Change

a) Communications and Community engagement	<p><i>Enhanced communications and engagement plan, aligned to ward-level community-led climate action and other actions</i></p> <p><i>See also Public Involvement as above</i></p> <p>Initial District Climate and Environment Campaign – Spring 2020; Spring Clean Week – April ; World Environment Day June 2020; 2040 Vision events – various</p> <p>Profiling via press and media, West Yorkshire/Leeds City Region, Local Government Association including involvement in the LGA Climate Emergency Network special interest group, APSE and other networks.</p>	<p>July 2020</p> <p>On-going</p>
b) Lobbying and influence	<p>Given the scale of the projects identified in the Leeds City Region ESDP, and scale of the challenge to be outlined in the results of the emissions reduction pathways study, there will be significant financial implications for the Combined Authority and stakeholders/partners. Exploring and securing funding will form a large part of the work the LCR Climate Coalition. More investment is required from Government. A significant amount of money was requested in the City Region’s devolution asks and budget submissions. A devolution deal for West Yorkshire including a significant package of activity and investment in transport infrastructure has been secured as part of the Chancellor’s March 2020 budget.</p> <p>There will be significant resourcing implications for the Council, the Combined Authority and other stakeholders/partners. Exploring and securing resources to deliver the work required will be a key task of the</p>	<p>On-going</p>

	<p>Leeds City Region Climate Coalition.</p> <p><u>Flood response</u> - The Combined Authority is also engaging with central Government to seek match funding towards the city region funding offers. The Government's recent budget provided additional national funding for flood defence and recovery.</p> <p>Work at Yorkshire regional level (climate one of three priorities for regional leaders).</p> <p>Climate Change Risk Assessment (CCRA, 2017) identified priority risks to the UK from a changing climate, further action and support for local government is necessary.</p> <p>Rapid updating and resources are required for progress on the Sustainable Development Goals and on the UK's 2018-2023 National Adaptation Programme.</p>	
Enabling Measures		
Principles and policy development	<p>Approval and subsequent promotion of ambitions, Guiding Principles and Sustainable Development Goals (from Executive 24th March) onwards.</p> <p>Review and updating where necessary of key policies and practices for no-regrets and progressive approach to Council operations and impacts</p> <p>Revised Corporate Risks Management for Climate and Environment Crisis – from Executive and Governance and Audit Committee direction</p>	<p>March 2021</p> <p>September 2020</p>
Research and evidence base development	<p>Continued policy support - with co-ordination through Office of the Chief Executive</p> <ul style="list-style-type: none"> - Summary evidence base - <i>Evidence base and profiling for Climate & Environment risks and GHGs (CO2, Methane and others)</i> - <i>Confirm the district's energy consumption and greenhouse gas emissions reduction pathways and options</i> - <i>Climate impact risks and opportunities - planetary crisis – issues and profiling</i> 	July 2020 (in line with 2040 Vision evidence base; City of Research)
Education, training & skills development Strategy, development and integration	<p>Initial training, education and guidance – materials and sessions</p> <p><i>Scoping and delivery of education and training content and delivery; guidance and training provision for key stakeholders</i></p> <p><i>Further progress on strategy, policy development and continued integration - through 2020-21</i></p> <ul style="list-style-type: none"> - <i>Integrating climate change priorities and targets into all key corporate projects, programmes and strategies.</i> - <i>Integrating climate change into impact & policy appraisal processes.</i> - <i>Ensuring climate change is appropriately addressed within risk management and business continuity processes.</i> 	October 2020

<i>Communications and stakeholder engagement</i>	Dedicated progressive Communications and Engagement Action Plan, aligned to the 2038 Net Zero mission and Living Well with Nature.	June 2020
<i>Delivery Planning and schemes design</i>	To review internally and in the light of the Pathways Study findings and recommendations Other opportunities to develop eg Heritage Buildings; Landscape and off-set funds etc	March 2021
<i>Commissioning & Procurement</i>	Commissioning and procurement are key enablers in the changes needed to be made. Commissioners must re-evaluate the way supplies, services and works are specified, embedding climate and the environment within our contracts and procurers must maximise the tangible social value outcomes that are delivered from procurements.	June 2020
<i>Funding and investment</i>	To progress in 2020-21	March 2021
<i>Intelligence, Monitoring and Analytics</i>	Improved performance management and reporting aligned to refreshed Council Plan 2020-24	September 2020

Appendix 1 - Climate Action and Sustainable Development Baseline Activity

Baseline Indicative Activity and Achievements	
Adaptation	<p>FAS 2 flooding scheme particularly upper Aire catchment work</p> <p>Healthy streets £1m for healthy streets Shipley, we have a further ESIF bid in for a further £1m in the Climate call</p> <p>Highways schemes Canal Road, Hard Ings, Harrogate Road/New Line (using EU INTERREG funding to upscale)</p> <p>Horton Park: climate adaptation project: Horizon 2020 LIFE CRITICAL</p> <p>Junction improvements: Great Horton Road, Toller Lane and Thornton Road. ESIF stage 2 for additional Blue Green interventions bid (£740k)</p> <p>Liveable Cities. Stage 2 of a Horizon 2020 Liveable cities bid which we will be able to use to increase green infrastructure in the Toller/Manningham/Allerton area.</p> <p>Local Development Plan (LDP) All the LDP sites we are working on will have climate adaption built in through additional funding we are leveraging in.</p> <p>North Street –tree planting and Sustainable urban drainage scheme. As part of the North Street highway scheme</p> <p>Pocket parks - Sue Belcher and Riverside Baildon</p> <p>URBACT Liveable cities funding to be part of a team delivering/learning about Blue green infrastructure, climate and health focus</p>
Air Quality	<p>Clean Air Plan and Clean Air Zone in development in partnership with Born in Bradford who will undertake pioneering evaluation of the proposed programme – an initial £4m secured from Government. Schemes will address air pollution and improve health in some of our most deprived communities.</p>
Built Environment	<p>Bradford Homes and Neighbourhoods Design Guide brings together the very latest thinking in housing and urban design and has been developed with a wide range of partners.</p> <p>Environmentally friendly refurbishment. St Georges - St Georges Hall – as part of the upgrade of the building the roof insulation was replaced and improved and this has improved the thermal efficiency of the building.</p>

Housing – energy efficiency measures – insulation/boilers - We assess owner occupiers homes for the hazards of excess cold and excess heat and either require landlords to address the hazards or offer owner occupiers financial assistance (grants or loans) to address them – this can be by improving energy efficiency through insulation and/or improved heating systems. We have a range of financial assistance products including:

- Home Appreciation Loans
- Health and Safety assistance
- Energy Repayment Loans
- Empty Property Loans
- Empty Property Assistance

We inspect privately rented accommodation proactively and reactively and assess homes for hazards including excess cold and excess heat. Landlords are required to comply with minimum standards. Enforcement action under Housing legislation or the Minimum Energy Efficiency Regulations can be taken for non compliance..

Markets – The new market will incorporate Photovoltaic Technology and also some solar thermal heating plus a ventilation strategy that will incorporate summer cooling. The CO2 emissions are predicted to be low and this will be modelled with greater accuracy as the design is finalised. Also there are number of environmental designs that will be introduced as part of the new public market as follows:

- External and internal lighting to be LED technology.
- Adjustable lighting to be dimmed using controllers to compensate for daylight changes.
- Ventilation to be mainly passive and controlled by utilising the natural environment.
- Sunlight to be captured for water heating and power generation.
- Energy efficient means of hot water production.
- Heat recovery ventilation.
- Heat gains and losses kept to a minimum by careful design and selection of materials and shading systems.
- Market to be a ‘tempered ambient’ naturally ventilated buildings with an inside temperature of +/- 5 degrees C.
- Maximising the use of natural daylight to reduce the demand for electrical lighting
- A naturally ventilated building to reduce as much as the use of energy which in turn reduces tenant costs through their service charges.
- Solar Thermal Heating Panels to provide a peak heating capacity of 1850W to supplement the heat pump plant.
- 14 No auto-opening roof vents for internal environmental control
- Roof mounted photovoltaics providing 118KW of energy.
- Rain water harvesting tank for supplying public toilets.

<p>Communications and Engagement</p>	<ul style="list-style-type: none"> ○ 2 no charging points for electrical delivery vehicles. <p>Climate action newsletter established – over 2,000 subscribers to date. You can sign up at the Council’s Stay Connected web page.</p> <p>Community environmental and climate action schemes – budget allocated to support local community projects and engagement.</p> <p>Engaging residents with Habitat Network sites in Wibsey and Royds - Two sites are identified on the Habitat Network map as areas of importance to wildlife as they travel across urban areas searching for food and shelter where it may be in short supply. Focus on Blackshaw Beck & Scaley Hills.</p> <p>Housing – we have a rolling programme of mailouts to owner occupiers promoting financial assistance (loans and grants) to help remove health and safety hazards including excess cold/excess heat.</p>
<p>Council Buildings and Estate</p>	<p>Central Production Unit – Schools catering CPU re-location will significantly lower carbon footprint of activities.</p> <p>Contractors - we specify that suppliers carrying out contracts on Council Buildings and Estate have to work in an environmentally friendly way –generally centred around waste disposal.</p> <p>Energy efficiency programmes</p> <ul style="list-style-type: none"> • Upgrading & installing energy efficient technology including LED lighting, insulation, heating plant, draught-proofing. • Renewable technology – solar photovoltaic, solar thermal and biomass boilers installed across the council estate • Energy audits – in schools to provide helpful advice on reducing energy consumption • Provision of Display Energy Certificates for Council buildings. <p>Management of heating systems</p> <ul style="list-style-type: none"> • Building Energy Management Systems & controls - monitoring & installing advanced, remotely monitored controls to maximise the efficiency of heating plant and to reduce staff mileage • Heating strategy controlling the temperatures of workspaces to minimise GHG emissions • Engagement with staff to help improve staff workplace energy consumption • Energy Performance Certificate / display energy certificates • Provision of DEC’s for Council buildings.

Economic Development

Business Support. The Council's Economic Development Service provides support for businesses with new environmental technology

Economic Strategy. Sustainability is a key feature of our economic strategy which pushes the circular economy – local firms leading on this agenda include Yorkshire Water and Textract

Land sales. Council land sold for development purposes is always sold with a condition that any buildings must meet BREEAM (Building Research Establishment Environmental Assessment Model) level 'Very Good' as a minimum. All units at Baildon Business Park meet this standard.

Regeneration – Facilitating and delivering new business/employment and residential developments that focus on the reclamation and redevelopment of brownfield sites, close to existing urban centres and railway stations so as to reduce reliance on remote out of town locations, private car travel and promotes the use of public transport.

City Village –proposals to revitalise an area of the City Centre that was the traditional retail and commercial heart of the city by creating a green, traffic free and healthy city living environment that will facilitate the development of 1,000 new homes to accommodate a new community that is less reliant on car use but lives within walking distance of rail/bus transport, shopping, leisure, and work opportunities.

One City Park – promoting the delivery of new grade 'A' office accommodation in the heart of the City Centre that is built to the highest sustainable development standards that actively discourages private car use but promotes the benefit of city centre working where businesses and their employees have readily available access to public transport, shopping, leisure and other amenities.

Energy

District Heat Network a new energy network delivering low carbon and low cost heat to city centre buildings. The District Heat Network is an urban central heating system that enables power and heat to be moved between buildings via underground pipes. The plans will see civic, public sector and commercial buildings in Bradford city centre share benefits including: lower price energy, lower carbon emissions, reduced heating costs.

Hydrogen - Embracing the opportunities provided by the H21: Hydrogen for the north project. Officers are engaging with different groups across the council and the district to raise awareness of the H21 project and explore potential areas of opportunity.

Renewables Increasing the amount of renewable energy and electricity generation on Council estate- We are keen to make the most of our assets for energy generation. The energy market is currently difficult for smaller scale generators due to changes in the

	<p>support mechanisms such as feed in tariffs. This means that systems need to be able to stand alone with only the certainty provided by a minimum energy price agreement such as Contracts for Difference (CFDs). We are therefore reviewing our approach</p> <p>Street Lighting renewal programme (£45m capital investment)</p> <p>White Rose Energy the Council's domestic not-for-profit energy company. White Rose Energy's aim is to tackle fuel poverty. The electricity supplied is certified renewable.</p>
Food	<p>Sustainable packaging – Sourced non single use plastic disposable packaging Changed disposable 'food trays' to bagasse (which is made from Sugar starch) so is already a biodegradable-product. It is fully compostable & recyclable. The initial roll out has started in 1 Academy and will be rolled out to all other secondary schools before being rolled out across all council sites that has our catering provision.</p> <p>Changed to 'Zest' sandwich packaging that contains a cellulose film which doesn't need separating from the cardboard (as the current mixed content packaging does). These products are fully recyclable & compostable. They will be going live as soon as they are in stock.</p> <p>Increased meal choices including wider range of meat-free options and healthy eating promotion.</p>
Flood Management	<p>Backstone Beck on Ilkley Moor is the site of innovative carbon sequestration work utilising our natural assets. The 2020-21 budget identifies resources for the development of further moorland schemes</p> <p>Harden Moor is a scheme to create natural flood management (building dams and planting trees to alleviate flooding risk)</p> <p>Peat Bog protection and restoration – re-wetting and sphagnum moss planting work to improve and restore important carbon sinks. Peat bog can store up to seven times the carbon of woodland.</p>
Governance	<p>Greenhouse gas Implications has been a required element in all Executive reports since 2011 alongside consideration of sustainability of policy proposals.</p> <p>Single-use plastics scrutiny review</p> <p>Sustainable Development Partnership – proposal to establish a new strategic partnership.</p>

**Green space,
woodlands and
trees**

Bradford Urban Discovery Project (BUD) – a lottery-funded partnership project run by Yorkshire Wildlife Trust and Bradford Council’s Countryside and Rights of Way team with three BUD project areas : Great Horton, Wibsey and Oakenshaw/Low Moor and running activities on key green spaces in these areas

Highway verges of approximately 80% are not intensively mown and this gives space for wildflower and grasses to flourish. (Burley and Wharfedale bypass had intensive work to develop a wildflower verge a number of years ago, which has been very successful)

Nature-friendly parks with reduced mowing is taking place at Peel Park in 2019, some areas are allowed to grow (This has increased wild flower areas and hay, we have stopped spraying and cutting grass under trees which increases biodiversity by improving soil quality, water retention and carbon capture. Northcliffe Park meadow has had elements of this approach of differential grass mowing for the past 10 years. Sports facilities at Marley, Keighley have been developed to be Hedgehog friendly.

Planting trees we have been increasing tree cover on Council land and this has been equivalent to 20 football pitches in recent years, in addition to this in this last 2 years we have felled 8 hectares of woodland and replaced with native tree to the area. Working closely with White Rose Forest on increasing green infrastructure in the LCR and particularly Bradford. We have a Bradford White Rose Forest task group.

St Ives - this winter we are planting one of our pastures as an agroforestry scheme (trees planted at 10 metres apart, which helps tree cover and grass growing as part of diverse landscape).

Sustainable woodland planting schemes, managing the woodlands to the UK woodland assurance standards is in place and we have been awarded accreditation for this work.

Tree Cities of the World: Bradford District became one of the first of five UK cities inducted in to the UN Food and Agriculture Organisation and Arbor Day Foundation Tree Cities of the World initiative. This recognises the city’s commitment to urban forestry and community engagement to realise the many benefits of urban tree planting.

A tree for every primary school child resource commitment in 20-21 budget

Tree planting opportunities mapping: identified 623 sites covering a gross area of 2,990 hectares of Council-owned public green space and agricultural land. Work is now under way to identify and design planting schemes to help lift tree cover in the district from 12.5% to 19% equivalent to ~6% of the district. Identified 15,853ha of private grassland that could be converted to silvo-pastoral (agroforestry) system and accommodate ~1.6m trees.

	<p>Tree planting: 14,600 trees (whips) planted across 7 sites (~6.2ha) (can average carbon capture of ~13.34tCO₂/year). These sites planted without plastic tree guards, ties, stakes or herbicide. Tree planting has been carried out on Bradford Council land in partnership with Trees for Cities, BEAT-Forest of Bradford, Baildon Town Council, YorGreenCIC</p> <p>Victoria Park 40k of tree planting and scoping other opportunities in the area.</p> <p>Landscape Projects: City Connect 2 cycleway and walkway , including tree planting along the route; Mayfield Centre (February start) – play area, planting, meadow, access ; Canterbury Ave (Feb start) – street trees 46 x heavy standards; Kettlewell Snicket (March start) – access, artworks, small amount of planting and encouraging walking to school; Burnett Ave (March start)-small pocket park, access works, doorstep play; The Roughs (March start)-path works, access and tree planting, some artworks; Festival of Trees (March start) tree planting in front gardens on Canterbury Ave (hoping for 50 trees min take-up) – routes to school improvements to encouraging walking; The ARC (March start) boundary works, playful spaces, tree planting, improved street aesthetic. Stocks Lane Multi-user Games Area Pocket parks; Hirstwood Nature Trail; Sue Belcher Community Centre; Scotchman Road Local Delivery Pilot JU:MP; Better Place Bradford;</p> <p>New Street/Urban Trees at Hard Ings Keighley and at Wakefield Road Tree Planting Shipley, Streets for People (Consultation)</p> <p>Transforming Cities Fund Visuals; Shipley and Canal Rd Improvements BSRIS Visuals; Ilkley Moor Video Editing, Be Aware Campaign</p> <p>Green Mile Girdlington; Surfacing/Paving works Saltaire; Girdlington Environmental Mapping</p>
HR & Workforce	<p>Climate Action Network – staff network established of people working on sustainability, climate action and related issues – promoting information sharing, co-ordination and best practice.</p> <p>Cycle to work (facilities for cyclists in a number of Council buildings including City Hall and Sir Henry Mitchell House) discounts on bikes and equipment</p> <p>Engagement with staff to help improve staff workplace energy consumption</p> <p>Home working – Council supports home working arrangements. For example, Contact Centre - 40 members of staff are set up to work flexibly. Of those, 16.5 work primarily from home. This enables a significant reduction in transport emissions from commuting and has also seen productivity gains.</p> <p>Metro cards/metro travel - Pool Metro cards (like an individual Metro card but for use by departments)</p>
Leeds City Region	Climate Coalition and Energy Strategy delivery with Bradford contributions and benefits

	<p>Collaboration on Energy Strategy/decarbonisation research, projects and investment planning including support to Bradford firms on resource efficiency and cost savings.</p> <p>Public Transport continued support for services, development and investment.</p> <p>Major focus on subsidised bus and train travel for those that need it most.</p>
Procurement	<p>Procurement procedures give an opportunity for suppliers to demonstrate their commitment to climate action as part of their social value offer above the measures that the Council is specifying which is evaluated, scored and made contractual.</p>
Schools	<p>Clean Air Day - Three primary schools in Shipley have launched a joint initiative to ask parents, carers and other drivers to switch off their engines when waiting in vehicles on roads near the three schools. The three schools, Saltaire Primary School, Wycliffe Church of England School and Shipley Church of England School are all sited near busy roads with high or illegal levels of Nitrogen Dioxide (NO2). The schools have been working with the campaign group Clean Air Bradford to raise awareness of the air pollution problem around the schools and to look at ways that the school communities can take action to protect the children’s health. The group, which was inspired by the “no-idling” campaign at Myrtle Park Primary School in Bingley, received local funding to print banners and fliers for the schools to use.</p> <p>Eco Awards – A number of Bradford Schools have been awarded Eco Awards from Eco Schools (https://www.eco-schools.org.uk/). Awards are given to schools for their work in empowering children to drive change and improve their environmental awareness.</p> <p>Energy Heroes – hundreds of children from 20 schools across the Dsitrict have joined the Energy Heroes project which uses maths to explore issues of climate change and energy use. The project is delivered in partenrship with Northern Grid.</p> <p>Solar energy – support for schools to get solar including schemes at Beckfoot Multi Academy Trust and Glenaire Primary in Baildon.</p>
Transport & Connectivity	<p>Buses. £17m approx annual bus subsidy (through WYCA)</p> <p>Cycle Superhighways – Leeds/Bradford, Bradford/Shipley, Church Bank to Forster Square railway station to promote rail use and reduce road traffic; Off Road Cycle way along Valley Road now available which is well used by cyclists and will attract more away from using cars</p> <p>Car Club Expansion of the districts car club scheme during 2020, the new vehicles are available for the public &</p>

business to use. The new vehicles aim to be sited to develop mini mobility hubs within our car parks as they will be sited adjacent to new EV charge points. Bradford Council staff can also access the vehicles for business travel.

Electric Vehicles and infrastructure. Resources allocated to expand Council EV Fleet; district EV strategy developed. Increasing the proportion of Electric Vehicle (EV) / hybrid vehicles in use in the Council fleet and supporting the roll out of EV charging points across the district to help promote uptake of electric vehicle use.

Award winning policy for EV Chargers to be standard as part of our planning conditions –for major new housing schemes. This is already standard but may need updating in 2020/21 to reflect national policy changes.

Installing rapid chargers WYCA / Taxi scheme

Managing current network of EV charge points (10 sites)

Fibre networks working with West Yorkshire partners to deliver New fibre networks resulting in 98% - 99% of West Yorkshire home and business premises having access to at least 30mbps broadband. It is anticipated that this will impact/reduce the need for travel.

Great Northern Railway Trail to a bridleway both attracting current road vehicle users and reducing CO2.

Hard Ings scheme Keighley - secured £120k of green infrastructure funding.

Liftshare – Relaunch of Liftshare the West Yorkshire Car Sharing platform.

Mass Transit – pursuing ambitions to develop new low carbon system across West Yorkshire

Northern Powerhouse Rail – on-going campaign to secure high speed NPR stop in Bradford City Centre.

Queensbury Tunnel supporting green cycleway campaign

Transforming Cities Fund – Pedestrianisation, Park and Ride), Cycling routes - Local Cycling Walking Infrastructure (LCWIP) – City Centre sector to South Bradford – mode transfer from private cars to cycling.

Waste Management

Garden Waste – successful garden waste charging scheme,

Recycling Increased recycling (15% increase in recycling tonnage collected in 18/19) (i.e. better use of resources); shift to alternate weekly collections.

Recycled paper in workplace printers

Re-use – New to You shop opened Bowling Back Lane – generating income and cutting materials entering the waste stream.

Waste management – 202/21 budget allocation for work on waste reduction and elimination with local businesses.