

# Bolton Climate Change Strategy Delivery Plan

Climate dashboard	Pillar	Cross-cutting theme	Aim	Target	Measure	Baseline	Baseline year	Achievement year	Tasks
KPI 1 Awareness raising	Governance and climate leadership	Communication	The Bolton Vision Partnership will be strong and inclusive to effectively deliver, embed and enhance communication of the climate change strategy to increase awareness, action and contribution of its colleagues and stakeholders.	65% of colleagues agree that action is being taken through activities and policies to reduce Environmental Impact and help mitigate Climate Change.	Overall % of colleagues	Baseline in place by 2021	2021	2022-2025	<p>Include information on Bolton's Climate Change Strategy in council staff inductions and in Insight Exchanges (Professional Development Reviews)</p> <p>Develop Climate change communications plan setting out how to engage residents, staff and businesses on climate change issues.</p> <p>Continue to promote any opportunities to champion national and local climate change and sustainability initiatives via all channels.</p> <p>Hold a climate Hackathon in conjunction with the University of Bolton.</p> <p>Continue to deliver and promote Bolton's Fund, including the Climate Change allocation. Carry out staff survey on climate change in 2022 and 2025.</p> <p>Develop a Carbon literacy training programme to work towards the target of 100% of colleagues across the Bolton Vision partnership will be 'carbon literate' within 4 years.</p> <p>Promote the health benefits of eating less meat, and choosing locally grown produce. With Bolton Markets Team, promote availability of local, sustainable alternatives to meat within the borough.</p> <p>Via Bolton Food &amp; Drink Festival, provide incentives for attendance / specific marketing of local producers of sustainable alternatives to meat and meat free dishes and recipes</p>
KPI 2 Community see things change	Governance and climate leadership	Communication	Effectively consult with the Bolton community to encourage a growing and overall favourable view that Bolton is acting positively on climate change and that clean, green and environmental attributes of the borough are reflected.	50% of the Community agree that they are seeing evidence that Bolton is acting positively to the climate emergency and that clean, green and environmental attributes of the borough are reflected.	% view	13% of residents in Big Climate Conversation.	2021	2021-2023	Re-run the Big Climate Conversation in 2023
KPI 3 Youth Voice	Governance and climate leadership	Communication	To ensure that Bolton Youth Voice is effectively communicated with, so that they are able to have good awareness and access evidence to see that Bolton is responding positively to the climate emergency.	50% the Bolton Youth Voice agree that Bolton is responding proactively to the Climate Emergency.	% view	Baseline in place by 2022	2022	2021-2024	<p>Hold Youth Environment Summit in 2022</p> <p>Co-ordinate the 'Make your Mark' youth consultation in Feb 2022.</p> <p>Encourage young people to apply to Bolton's Fund for climate projects.</p>
KPI 4 Environment plans	Governance and climate leadership	Place	Bolton businesses are responding to the climate emergency and have plans in place.	25% of the Green Business survey, are putting in place plans to reduce emissions and environmental impact.	% view	Baseline in place by 2021	2021	Review 2022	Carry out the Bolton Business Survey in 2021 and again in 2022. Continue to support SMEs working within or looking to diversify into the green technologies and services sector via the Green Growth Hub.
KPI 5 Reporting	Governance and climate leadership	Communication	Bolton's climate change strategy and its progress will be clearly reported and its metrics accessible and visible to colleagues and stakeholders. The strategy will connect to, support and align with the Greater Manchester Five-Year Environment plan.  The Bolton Vision Partnership plan will be reviewed and updated to fully embed the Climate Change targets.	Annual Climate Change report is produced and that it has overall substantial or reasonable progress on the Climate Change Strategy delivery plan and its targets.	Assurance level	First report due 2022	2021	2022 and yearly updates	<p>Develop and produce annual report.</p> <p>Communicate annual report via webpages/press release/emails to interested groups etc.</p> <p>Improve the collection and storage of environmental metrics through a centralised data warehousing system.</p> <p>Ensure climate change aims and targets are embedded into the refreshed Vision plan and the Corporate Plan.</p> <p>Develop a climate change impacts tool for reports.</p>
KPI 6 Environmental resources	Governance and climate leadership	People	Build internal capacity for roles to have environmentally focussed responsibilities as part of overall responsibilities and that they are included in the role profile of the recruitment drive.	Total FTE role equivalent with environmental responsibilities reported as a Vision Partnership total of at least one FTE/1000 employees.	FTE	Baseline in place in 2021	2021	Review 2022	<p>Continue to raise awareness of climate change initiatives to colleagues.</p> <p>Develop capacity by signposting staff to environmental training opportunities via professional development reviews.</p>
KPI 7 New development	Governance and climate leadership	Place	The new Bolton Local Plan will respond to the Places For Everyone Plan and produce a new planning guidance that reflects requirements for zero carbon new development and new housing, protects the local environment and is resilient to climate change.	Pathway for zero carbon new development and new housing by 2028.	Average EPC of new development	Current planning and building compliance regulations.	2022	2022-2028	Update Sustainable Design and Construction SPD. Ensure Local Plan includes climate change policies.
KPI 8 Social housing	Homes, communities and wellbeing	Addressing Inequalities	A housing strategy for Bolton reflects and delivers a decrease in heating needs and increases the energy efficiency of fuel poor homes in Bolton and supports the upgrades of privately rented property in line with Government targets.	All fuel poor homes to be upgraded to Energy Performance Certificate (EPC) Band C by 2025.  New developments to be carbon neutral by 2028.	EPC letter	TBC by Bolton at Home	2019/2020	2025	<p>Revise housing strategy</p> <p>Continue to promote GM and national housing efficiency schemes.</p> <p>Apply to the social housing decarbonisation fund for funding for Bolton at Home Retrofit schemes.</p>
KPI 9 Social housing	Homes, communities and wellbeing	Addressing Inequalities	The physical, economic and social characteristics of housing, places and communities have an important influence on people's physical and mental health and wellbeing. Health indicators of the community are improved with warmer, better homes.	Monitor and report the health outcomes of improved living environments especially in areas of fuel poverty and deprivation.	Improved outcomes health indicator	TBC	2019/2020	2025	<p>Continue to work with GM to deliver the Government's Green Homes Grants Local Authority Delivery Scheme (GHG LAD)</p> <p>Measure the impact of better homes on the physical, economic and social characteristics of housing, places and communities to show the benefits of housing retrofit on people's physical and mental health and wellbeing.</p>
KPI 10 Active travel	Homes, communities and wellbeing	People	A measurable increase in active travel within the Borough and people are able to access to green spaces.	Increase the proportion of Journeys of up to 5 km made by walking or cycling.	% of journeys	TBC	2019/2020	2025/2030	Continue to work with TIGM on existing active travel campaigns including 'Let's Get Moving' and 'The Bee Network'
KPI 11 Air pollution	Homes, communities and wellbeing	Place	Better air quality is achieved and has overall beneficial outcome to population health.	% improvement in air quality	Levels of PM 10 PM 2.5 Nitrogen oxide	TBC	2018/2019	2025/2030	The council will work with Transport for Greater Manchester to reduce carbon emissions from transport and travel. The Greater Manchester 2040 Transport Strategy Delivery Plan promotes the 'Right Mix' target of one million more sustainable journeys per day by 2040 with zero net growth in motor vehicle traffic. (Base year 2022, baseline tbc)
KPI 12 Reduction of flood risk	Buildings, transport and operations	Place	The use of green infrastructure opportunities provided by new development will reduce the causes and impacts of flooding (where appropriate through the use of natural flood management techniques) so that new development will not increase flood risk and that opportunities are taken to use nature-based solutions.	Increase in green infrastructure associated with new development and no net increase in flood risk.	hectares	TBC	2021	2022	Biodiversity area is monitored and reported across the Borough and specifically in relation to new development planning and delivery.
KPI 13 Carbon neutral electricity	Buildings, transport and operations	Place	Bolton Vision Partners will work collaboratively to procure a long-term value for money power purchase agreement that secures carbon free electricity for the partnership.	Carbon neutral electricity by 2022	% of electricity supply that is carbon neutral	10,042	2018/2019	2022	Investigate the opportunity of purchasing electricity via a PPA agreement.
KPI 14 Total operations emissions	Buildings, transport and operations	Place	Produce or revise carbon management plans that set out targets to reduce energy and carbon emissions for Scope 1, 2 and 3 for operations emissions, in line with trajectory and carbon neutral 2030 target, and align with the strategic asset management plans.	14,455 T by 2022 10,909 T by 2024 7272 T by 2026 3636 T by 2028  Carbon Neutral by 2030	Tonnes CO2e	Property portfolio Building energy 19,516  Fleet Vehicles 2300  F-gas refrigeration emissions TBC  TOTAL CO2e - 21,816	2018/2019	2022-2024 2026 2028 2030	<p>Produce a carbon management plan.</p> <p>Encourage flexible and home working through the use of digital technology to facilitate remote and hybrid working arrangements.</p> <p>Deliver a programme of energy efficiency improvements and carbon reduction in the council's own estate via the Public Sector Decarbonisation scheme. Bid for any future rounds of PSDS funding as appropriate.</p> <p>Drive a low carbon estate through the implementation of the Strategic Asset Management Plan establishing a clear set of delivery Targets for new and retrofit development.</p> <p>Produce an addendum to the Strategic asset management plan that identifies the interventions to support the decarbonisation of heat in line with trajectory targets for Zero Carbon by 2030</p> <p>Develop an Environmental Design Principals of Buildings Document. Use redevelopment of Assets in the Strategic Asset Management plan as an opportunity to identify areas for increase in urban trees</p> <p>Produce Local Area Energy Plan for Bolton.</p> <p>Ensure that (where relevant) building projects have a policy requirement for the installation of Electric Car charge points in a ratio of 1 in 5 for Retrofit and New Buildings and that a charging mechanism is in place for users to pay for the electricity, (PAYG)</p> <p>Increase the number of Electric Car charge points to a ratio of 1 in 5</p> <p>Continue to progress the Bolton town centre heat network project.</p> <p>Set out Fleet Management Plan to highlight efficiency, move towards cleaner greener fleet and explore shift towards and trial cleaner fuels</p>
KPI 15 Goods and services	Buildings, transport and operations	Social value and prosperity	Understand and monitor the (Scope 3) carbon footprint of purchase goods and services. Scope 3 emissions are the indirect carbon emissions that are not under the direct influence of the consumer, such as emissions associated with the manufacture of goods and services e.g bricks, clothing, food.	Scope 3 carbon emissions footprint defined for procured goods and services.	Tonnes CO2e	Baseline to be established	2022	2022	Agree the priority areas to be included into the Scope 3 emissions. Include scope 3 emissions in the carbon management plan.
KPI 16 Estate energy rating	Buildings, transport and operations	Place	Bolton Vision Partners will aim to improve the efficiency of their building stock through their strategic asset management plans and investment programmes at or above the average Greater Manchester targets set out in the Five Year Environment Plan and aligned to their carbon management plans.	Average Display Energy Certificate improved to D by 2024 C by 2027 B by 2030	Average DEC letter score	TBC	2018/2019	2024-2030	
KPI 17 Renewable energy	Buildings, transport and operations	Place	Produce new renewable energy that is used by buildings within the borough.	Five megawatts of new generation on buildings and land owned by Bolton Vision Partnership by 2024.	Megawatts	0	2018/2019	2023/2025	
KPI 18 Community energy projects	Buildings, transport and operations	Place	Support partnerships for community energy and produce renewable energy that is used by communities and by businesses in Bolton.	Two megawatts of renewable energy project by Community Energy Projects	Megawatts	0	2018/2019	2024	Carry out an assessment of existing buildings and available parcels of land for renewable generation within the Borough-via the Go Neutral 2 project. Investigate potential for existing social housing
KPI 19 Waste strategy	Buildings, transport and operations	Place	Deliver against objectives set out within the GM Waste Management Strategy and Resources and Waste Strategy for England.	Municipal Waste Total Rate per Household Landfill NI 191 - Residual Waste NI 192 - Recycling 65% by 2035	% tonnes	86,776 T 637.07 Kg/H/H 7.65% Landfill NI 191 - 52.0% NI 192 - 48.02%	2018/2020	2035	Review and report on the adoption of progress with GM Plastic free.
KPI 20 Waste management	Buildings, transport and operations	Place	Develop Waste Management Plans that support the GM Waste Management Strategy and Resources and Waste Strategy for England.  Identify Waste Streams  Zero Waste to Landfill aim and to maximise recycling	Zero waste to landfill (TBC)  Residual waste to be in line with Greater Manchester targets or better.  Recycling rate to be in line with Greater Manchester target or better.	% tonnes	TBC	2018/2019	2035	Work with GM to produce a GM-wide waste management plan.
KPI 21 Social value	Buildings, transport and operations	Social value and prosperity	Social Value Policy is adopted across the Bolton Vision Partnership and an agreed and effective metrics framework is in place to monitor outcomes across the partnership.	All Vision Partners adopt the Bolton Social Value Policy and Framework.	TBC	Metric framework being established	2021	2022	Co-design a Bolton Social Value policy and framework and provide training on its use.
KPI 22 Biodiversity net gain	Natural environment and climate change resilience	Place	An increase in biodiversity area across the borough and opportunities are taken associated with new developments	Increase biodiversity area associated with any new development and there is no net loss.	% change in biodiversity area	-0.20%	2018/2019	Annual review	Include Biodiversity net gain considerations into the planning process as far as practicable under current planning policy requirements.
KPI 23 Fly-tipping	Natural environment and climate change resilience	Place	Increase the awareness of fly tipping to bring attention to the cost and damage to the Bolton environment.	Zero incidents of fly-tipping with zero impact on Council Budget.	Tonnes	993.23	2019/2020	Annual review	Quantify the cost of flytipping and clean up activity and develop communications around how money could be put to better environmental projects.
KPI 24 Air quality	Natural environment and climate change resilience	Place	Deliver and promote air quality improvements across the borough aligned with the Greater Manchester Clean Air Plan. The plan will lead to a reduction in sources of air pollution from road traffic to meet or exceed compliant levels and in particular focus on more deprived areas, to improve health outcomes.	Meet legal compliance as agreed with government in the GM Clean Air Plan.	Micrograms/M3	TBC	2018/2019	Spring 2022-2025	<p>Support the development and implementation of the GM Clean Air Plan and actions to reduce pollution, with specific focus on areas within Bolton that have higher levels of pollution.</p> <p>Specific areas have been identified in the GM Tree Strategy where hedge and tree planting will improve air quality (PM2.5 and NOx). Targeting roadside planting along Big ticket routes. Areas planted to reduce air pollution identified in the GM Tree Strategy</p>
KPI 25 New woodland and trees	Natural environment and climate change resilience	Place	Support the Greater Manchester Tree Strategy 'All Our Trees' and target tree-planting at the areas of greatest need where the environmental, green infrastructure and climate change benefits can be maximised. Enhance linkages to existing and new woodland and reduce flood risk, while avoiding the loss of, or harm to, other priority habitats.	Plant 15 hectares of new trees by 2025.	Hectares	0	2018/2019	2025	<p>Continue with the tree planting programme on council owned green spaces in partnership with City of Trees.</p> <p>Continue with the tree planting programme between the canal and the river Irwell through a collaboration between Manchester, Bolton and Bury Canal Society and the Canal Trust.</p> <p>Create five new orchards by 2023.</p> <p>Continue to access funding and identify opportunities for tree planting in the borough.</p>
KPI 26 Leaf area in Bolton	Natural environment and climate change resilience	Place	Support the Greater Manchester tree and woodland strategy, which aims for a net increase of leaf area across the borough.	No net loss of leaf area.	Hectares	9300	2018/2019	2023	<p>Work with Place/Planning to identify areas of the estate/local area that would benefit from rewilding and forming wildlife corridors including pocket parks</p> <p>Engaging with Bolton Green Umbrella Group to understand local opportunities and engage Youth Voice/Schools</p> <p>Increase area of rewilding throughout the Borough</p>
KPI 27 River condition	Natural environment and climate change resilience	Place	Prevention of pollution and increase in green infrastructure will ensure that Bolton's rivers are in good condition and that flood risk is reduced.	Rivers remain in good condition	%	90	2018/2019	2025	<p>Assess any improvements in green infrastructure that can ensure Bolton's rivers remain in good condition and reduce risk of pollution and flooding, planting of upstream parcels of land to minimise flooding to downstream communities</p> <p>Connect with the Greater Manchester Natural Course Project</p>
KPI 28 Adult education services	Skills for a sustainable future	People	Sustainability and climate awareness is made a skills priority within the adult education service to enhance sustainability skills and employability.	Increase % of adult education courses run with environment and climate change skills emphasis.	%	0	2019/2020	2022	Include climate change into adult education courses.
KPI 29 Community action	Skills for a sustainable future	People	Work with the Bolton Green Umbrella Group to capture the true extent of environmental volunteering and community action in Bolton, bringing community action into the heart of the strategy and its communication.	Understand the tangible impact of the Bolton Green Umbrella Group.	Community environmental action volunteer hours.	TBC	2019/2020	2022 Annual review	Case Studies from Green Umbrella are part of annual climate report for Bolton
KPI 30 Maintenance engineers	Skills for a sustainable future	People	Help meet the skills gap for retrofitting properties with green technologies and transitioning to the electrification of heating systems, by enhancing the training and development of property maintenance teams.	Engineers are trained in new skills for green technology in homes.	Number of engineers	0	2021	2022	<p>Carry out training and development of property maintenance teams to support the retrofit agenda covering transition to electrification of heat and green technology and associate compliance requirements</p> <p>Identify Domestic Properties across the Vision Partnership that could be used as training facilities for domestic retrofit. Working in partnership with Further and Higher Education, construction students, the unemployed and small businesses to gain greater traction on the retrofit agenda and skills gap.</p>
KPI 31 Businesses engaged	Employability, entrepreneurship and innovation	Social value and prosperity	Develop the Bolton Business Hub digital platform as the go-to place for employment, procurement, contracting and business development, in order to engage local businesses and enhance opportunities for environmental and energy-based projects, skills and knowledge.	Local Businesses engaged in the Digital Business Hub.	Number of businesses	TBC	2022	2022	Continue to progress the Greenworks project.
KPI 32 Enterprise and innovation	Employability, entrepreneurship and innovation	People	Create a centre of excellence by working with Bolton University, Bolton College, and University Technical College, to explore environmental technologies and innovations and promote the deployment of technology and skills developed in Bolton, for Bolton. The Greenworks project will be an excellent opportunity to showcase this way of working, improve training, engage with businesses and take positive action on climate change.	Deploy technology developed in Bolton, for Bolton, that has a positive environmental impact.	Number of projects	TBC	2021	2022	Continue to progress the Greenworks Project.