



**FOR PUBLICATION**

**DERBYSHIRE COUNTY COUNCIL**

**IMPROVEMENT AND SCRUTINY COMMITTEE – CLIMATE CHANGE,  
BIODIVERSITY AND CARBON REDUCTION**

**MONDAY, 22 MAY 2023**

**Report of the Executive Director - Place**

**Climate Change Performance Reporting - 2022-2023 Q4**

**1. Purpose**

- 1.1 The purpose of this report is to present the Climate Change Programme Dashboard for Quarter 4 2022-2023. The Dashboard has been developed to provide details on performance against delivery of the Council's Climate Change Strategy: Achieving Net Zero (2021-2025) (the 'Strategy').

**2. Information and Analysis**

- 2.1 The Council's approach to monitoring and reporting on performance against the delivery of the Strategy and overarching carbon reduction targets was presented at a meeting of the Improvement and Scrutiny Committee for Climate Change, Biodiversity and Carbon Reduction held on 7 February 2022.
- 2.2 As set out in the report of 7 February 2022, a core mechanism for monitoring and reporting on performance is regular performance reporting to the Climate Change and Environment Programme Board (CCEPB). On a quarterly basis, a Climate Change Programme Dashboard is presented to the CCEPB providing details on performance against delivery of actions within the Strategy.

2.3 The Dashboard is designed in the same format and structure as the Council's Strategic Dashboard, which is used to report on performance against delivery of the Council Plan.

2.4 The Dashboard includes:

- A narrative on which actions are not on track, why, the potential impact, and the mitigations being carried out to get the actions back on track.
- A narrative on overall performance of the Long List actions by 2025 that are likely to have the biggest positive impact on emissions reduction, and those which require the most immediate action and implementation.

### **3. Consultation**

3.1 Details of the mechanisms for monitoring and reporting on performance against delivery of the Strategy were presented to the Improvement and Scrutiny Committee for Climate Change, Biodiversity and Carbon Reduction on 7 February 2022. The Committee then resolved (inter alia) to note and support the mechanisms for reporting on progress of the delivery of the Strategy and the overarching carbon reduction targets, as set out in the report then before it (Minute No. 6/22 refers).

### **4. Alternative Options Considered**

4.1 Not operating these established mechanisms for monitoring and reporting of performance, including the reporting to the CCEPB and this committee, would be contrary to the resolution of support mentioned at 3.1 above.

### **5. Implications**

5.1 Appendix 1 sets out the relevant implications considered in the preparation of the report.

### **6. Background Papers**

6.1 Not applicable.

### **7. Appendices**

7.1 Appendix 1 – Implications.

7.2 7.2 Appendix 2 - Climate Change Programme Dashboard 2022-23, Q4.

## **8. Recommendation**

That the Committee:

- a) Notes the content of the Climate Change Programme Dashboard detailed in Appendix 2.

## **9. Reason for Recommendation**

- 9.1 To ensure that monitoring and reporting of performance against delivery of the Strategy and the overarching carbon reduction targets is carried out in an appropriate, meaningful, and effective manner, and help towards ensuring that the Strategy and actions remain on track and are delivered.

**Report Author:** **Caroline Toplis**    **Contact details:** **Caroline.Toplis@derbyshire.gov.uk**

## **Implications**

### **Financial**

- 1.1 The delivery of the actions within the Strategy will have financial implications for the Council. These will be considered on a project-by-project basis.
- 1.2 The Place Department holds a £4.000m revenue reserve for projects approved for delivery under the Climate Change Strategy.

### **Legal**

- 2.1 Some of the projects required to deliver the actions within the Strategy may have legal implications. These will be considered on a project-by-project basis.

### **Human Resources**

- 3.1 Some of the projects required to deliver the actions within the Strategy may have Human Resource implications. These will be considered on a project-by-project basis.

### **Information Technology**

- 4.1 Some of the projects required to deliver the actions within the Strategy may have Information Technology implications. These will be considered on a project-by-project basis.

### **Equalities Impact**

- 5.1 Some of the projects required to deliver the actions within the Strategy may have Equalities Impact implications. These will be considered on a project-by-project basis.

### **Corporate objectives and priorities for change**

- 6.1 Delivery of the Strategy will improve the environmental sustainability of the Council and the county and in particular will reduce greenhouse gas emissions.

**Other (for example, Health and Safety, Environmental, Sustainability, Property and Asset Management, Risk Management and Safeguarding)**




- 7.1 Some of the projects required to deliver the actions within the Strategy may have other implications. These will be considered on a project-by-project basis.

## Climate Change Programme Dashboard 2022-23, Q3

## Overview

Strategy Theme	Good	Review	Action
Council Estate and Operations	6	3	0
Low Carbon Economy	2	5	0
Decarbonising the Domestic Sector	3	3	0
Transport, Travel and Infrastructure	4	2	0
Waste	2	2	0
<b>Total</b>	<b>17</b>	<b>15</b>	<b>0</b>

Delivery Theme	Theme Lead	Good	Review	Action
Council Property and Estate	David Beard	3	2	0
Procurement	Stuart Etchells	2	0	0
Highways	Neill Bennett	0	0	0
Fleet	Richard Bright	0	1	0
Schools	TBC	0	0	0
External Transport and Travel	Mathew Bonomi	4	2	0
Low Carbon Economy	Karl Apps	1	4	0
Planning	David Arnold	2	3	0
Internal Engagement and Training	Sally Pearson	1	0	0
External Engagement	Chris Burton	0	0	0
Natural Capital	Adam Lathbury	0	0	0
Waste	Ruth Robinson	2	2	0
Climate Change Team	Caroline Toplis	2	1	0
<b>Total</b>		<b>17</b>	<b>15</b>	<b>0</b>

-  Good On track or complete with outcomes in line with expectations
-  Review Some risk to achieving timetable and/or outcomes
-  Action Unlikely to achieve timetable and/or to deliver required outcome

## Summary

Overall performance of the 32 priority actions within the Derbyshire County Council Climate Change Strategy: Achieving Net Zero (2021-2025) is presented in the table below. The overall position has remained unchanged from the previous quarter.

- No priority actions have been allocated an **Action** rating in this quarter.
- 17 priority actions (53%) have been allocated a **Good** rating, meaning that they are on track or complete with outcomes in line with expectations.
- 15 priority actions (47%) have been allocated a **Review** rating, meaning that there is some risk to achieving timetable and/or outcomes.

Of those actions allocated a Review rating, the actions that potentially have the biggest negative impact on achieving net zero targets if not achieved are:

### **Council Estate and Operations:**

- (Ref 5) Roll out a Council wide electric vehicle sharing programme and electric vehicle charging points at all key Council sites, coupled with a behaviour change campaign and evaluation of working practices to facilitate a zero-emission fleet.

### **Low Carbon Economy:**

- (Ref 15) Work with local academic institutions, trade unions, and regional Chamber of Commerce to identify geographical areas for low carbon industry growth, as well as assessing and develop the capabilities and skills of the region in supplying those industries.
- (Ref 16) In line with Vision Derbyshire, continue working with borough and district councils to develop a Strategic Joint Planning Framework for Derbyshire to ensure that planning measures for net zero commercial buildings are integrated into Local Plans.

### **Decarbonising the Domestic Sector:**



- (Ref 17) Conduct an updated feasibility assessment on the low carbon heat and renewable energy opportunities within the county.
- (Ref 21) Work with local authority and wider government partners to develop a Regional Skills Strategy that identify areas of upskilling within the house building and retrofit sectors, and creates investor-ready training programmes to receive support from the proposed National Skills Fund.

### **Transport, Travel and Infrastructure:**



- (Ref 24) Support the new Enhanced Bus Partnership arrangements being introduced in Derbyshire as part of the new National Bus Strategy. This will involve Derbyshire County Council and the bus operators investing in new service provision, improved roadside bus infrastructure, mobility as a service, integrated ticketing systems, and upgraded information availability to provide an improved public transport offering to Derbyshire residents.


Details on mitigation measures for these actions are set out in the table below, with close monitoring of progress going forward recommended.




## PRIORITY ACTIONS – Summary


Council Estate and Operations							
Ref	Priority Action	Lead Theme	Target date for completion	Success Measure	Status (and change since previous Q)	Impact on net zero targets if not achieved	Summary of progress
1	Identify land for renewable energy generation and carry out pre-feasibility assessments to identify whole life project costs.	Property and Estate	2023	At least one feasibility study conducted per year leading to a proposal for capital work.	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Corporate Property has developed a draft Net Zero Strategy for the Council's corporate estate, which identifies the requirement for major projects for renewable energy generation. A review of opportunities for the development of solar farms has been completed with consultant input from APSE Energy.</p> <p>15 sites have been identified and reviewed for ground mounted solar PV.</p> <p>One site at Williamthorpe Country Park has been given priority status for development as a solar farm with an estimated annual output of power equivalent to 3.25 million kWh. This is equivalent to the annual energy use at the Council's seven highest energy using buildings. Other sites offer potential for future solar farm development subject to the availability of grid connection. The availability of capacity within the grid is being monitored.</p> <p>This site at Williamthorpe was previously granted outline planning permission for a ground mounted solar PV scheme. The Council's Countryside Service has provided verbal support for the project. The existing tenant has vacated the site. Funding has been secured to support further project development work for the site, as necessary.</p>
2	Develop a design standard for future estate development which sets the requirement to develop net zero	Property and Estate	2023	Design standards developed and approved, and incorporated into formal council	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Corporate Property has now completed the development of proposed design standards for all new build and refurbishment projects. This work has been endorsed by the Climate Change and Environment Programme and the proposed targets were also presented to the Improvement and</p>






	enabled buildings which can be net zero but also resilient to future climatic changes.			policy. Design standards applied on all relevant projects once approved.			Scrutiny Committee for Climate Change, Biodiversity and Carbon Reduction in February 2023. Subject to agreement by the Property Senior Management Team during Q1 of 2023-24, the standards are now ready for implementation.
3	Deliver Public Sector Decarbonisation Schemes and evaluate to inform further work.	Property and Estate	2023	Development of a Heat Decarbonisation Plan incorporating the poorest performing buildings to allow a growing programme of work for PSDS and other funding streams.	 (no change)	<b>Moderate</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to difficulties experienced in installing planned low carbon heat technologies, resulting in funding being withdrawn. Further funding is required for feasibility studies to inform future funding bids to the Public Sector Decarbonisation Scheme.</b></p> <p>A £1.891m grant was awarded to the Council through the government's Public Sector Decarbonisation Scheme (PSDS) in 2020. This grant was for carrying out low carbon heat schemes at three sites identified through feasibility studies. Applications to the fund are typically based on preliminary feasibilities and therefore carry risk. Two of the three schemes subsequently encountered delays which meant that projects could no longer meet the strict funding deadline requirements and PSDS grant funding was withdrawn. This issue occurred quite frequently across the country, such that the PSDS grant conditions have since been revised. The project at Buxton Junior School is currently complete pending technical audit.</p> <p>The Council submitted a bid to PSDS Phase 3b for the installation of an Air Source Heat Pump at Alice's View Children's Centre. Salix, who administer funds on behalf of the Department for Energy Security and Net Zero, have advised that the that the fund was oversubscribed, and that the Council's bid was unsuccessful, but will be providing feedback to the Council with a view to re-submission at the next available opportunity.</p> <p><b>Mitigation: Corporate Property is analysing potential future PSDS funding bid opportunities and have secured necessary feasibility, design and procurement funding for 2023-24. Energy audits are currently underway at five sites to complete the necessary preliminary work necessary for future PSDS bids.</b></p>
4	Identify buildings to be retained and	Property and Estate	2023	Identification of which buildings provide the		<b>High</b>	<b>GOOD: On track or complete with outcomes in line with expectations</b>



	undergo energy efficiency retrofit.			greatest opportunity for retrofitting and a high-level analysis of opportunities, costs and benefits carried out.	(no change)		<p>The Asset Management Strategy for the corporate estate has been reviewed to identify buildings to be retained, buildings for disposal, and buildings under review.</p> <p>Corporate Property has identified three proposed energy reduction measures in addition to property rationalisation and disposal:</p> <ol style="list-style-type: none"> <li>1. Installation of solar PV on rooftops (30 priority schemes identified)</li> <li>2. Active energy monitoring through the installation of remote monitoring equipment (30 priority schemes identified)</li> <li>3. Improvements to thermal performance and energy efficiency (30 priority schemes identified)</li> </ol> <p>Capital funding for the proposed carbon reduction programme for 2023-24, which includes the measures listed above, was approved by Cabinet in February 2023.</p> <p>Projects to install PV in two Homes for Older People (HOPs) undergoing refurbishment are underway, with orders now placed to commence the installation of remote monitoring equipment in three HOPs (with five further sites being scoped), to enable the development of a pilot Energy Management System.</p>
5	Roll out a Council wide electric vehicle sharing programme and electric vehicle charging points at all key Council sites, coupled with a behaviour change campaign and evaluation of working practices to facilitate a zero-emission fleet.	External Travel and Transport (proposed transfer to Property and Estate)	2025	Targets for EV pool car use and fleet vehicle decarbonisation set out in the Place Service Plan met.	 (no change)	<b>High</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. Council fleet EV usage has greatly increased post pandemic, further growth is constricted by the limited number of EV charge points on the Council estate at present.</b></p> <p>Departmental grey fleet emissions reduction targets have been established and approved by CMT. These are included in Service Plans for 2023-24. Mechanisms for increasing the use of EVs for business travel are being developed and are likely to include: behaviour change campaigns; the provision of dedicated EVs for services, teams and/or individuals; and a forthcoming staff salary sacrifice scheme for the purchase of EVs and hybrid vehicles.</p> <p>A co-ordinated working group has been established between Sustainable Travel, Fleet Services and Corporate Property to establish a joint action plan to coordinate the work on EV charging infrastructure across the</p>


							<p>Council estate. The new design standards (Priority Action 2) support EV charge point installation.</p> <p><b>Mitigation: Ongoing collaboration between relevant services to deliver pilot EV charging infrastructure installation project and the wider roll out programme across the Council's estate.</b></p>
6	Develop a Sustainable Procurement Framework using the UK government's green procurement guidance to embed environmental requirements and Social Value into all contracts.	Procurement	2022	Sustainable procurement policy developed and approved by Cabinet and outcomes from its implementation monitored and reported.	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Cabinet approved the Sustainable Procurement Policy in October 2021 and work is being done to communicate this to staff and make it accessible on the Council website. As part of the Council's use of the Social Value Portal, the National TOMs (Themes, Outcomes and Measures) Framework will be incorporated into Council procurement contracts with the aim of achieving more sustainable value from procurements. The first contract to apply the approach was piloted in Autumn 2022 with the Social Value aspect of the tendering process worth 10% of the overall evaluation of the bid. Following evaluation of this contracting activity, the approach is now being applied on additional contracts.</p>
7	Review the commissioning principles across all teams to ensure that climate change is embedded across our services and partner working.	Procurement	2022	Sustainable procurement policy developed and approved by Cabinet and outcomes from its implementation monitored and reported.	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>The Sustainable Procurement Policy will embed sustainable procurement principles and practice into all procurements and commissioning carried out across the Council.</p>
8	Carry out a feasibility study to identify low carbon energy procurement options.	Property and Estate	2023	Feasibility study completed on an annual basis, with findings used to inform procurement and emissions	 (no change)	<b>Moderate</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to price and supply issues in the UK energy market as well the benefits being limited when based on good practice carbon measurement and reporting.</b></p> <p>Discussions held with the Council's energy supplier in September 2022 indicated that the procurement of a renewable energy tariff for 2023/24 is only available from mixed energy suppliers with a Renewable Energy</p>

				reduction impact quantified.			<p>Certificate. This would not guarantee that the energy purchased is from renewable sources and would not lead to a reduction in the Council's reported emissions from electricity use when following reporting good practice. The procurement of a renewable energy tariff is therefore not currently recommended on this basis.</p> <p><b>Mitigation: Corporate Property's Energy Team will continue to explore options for the alternative procurement of renewable energy ahead of the 2024-25 financial year.</b></p>
9	Include climate change training as part of the induction process for all Elected Members and staff to strengthen knowledge of carbon emissions, climate resilience and net zero development.	Internal Engagement and Training	2022	All new staff to have undertaken mandatory e-learning module. Six 1.5-2 hour training sessions held over each 12-month period. Capture any follow-up positive actions reported by staff participating.	 (no change)	<b>Moderate</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Following approval from the CMT, a comprehensive climate change training programme for employees and Elected Members continues to be developed and rolled out. A fully updated online climate change training module (a mandatory part of the induction process for new employees), including an introductory video from Cllr Barry Lewis, is due to be launched. Existing staff who have not taken other training will also be encouraged to complete the module.</p> <p>Two-hour "Climate Change – Everybody's Business" training sessions are delivered every two months, which alternate between being held online and in person. All online versions are fully booked, and four teams have requested bespoke sessions following promotion of these sessions in Our Derbyshire. More sessions are likely to be developed in the future and a 'climate change for managers' course has been identified as a priority.</p> <p>Full eight-hour Carbon Literacy training has been delivered to some Elected Members and Senior Officers, senior Childrens Services staff and a range of officers and Elected Members from across the county.</p>


Low Carbon Economy							
Ref	Priority Action	Lead Theme	Target date for completion	Success Measure	Status (and change since previous Q)	Impact on net zero targets if not achieved	Summary of progress
10	Develop a Renewable Energy Strategy for the county including an energy resource assessment that identifies opportunities for renewable energy generation as well as decarbonisation of heating and energy use in homes.	Planning	2022	Derbyshire Spatial Energy Study complete and being referenced and incorporated in Local Plans and planning activities across the county.	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Funding was secured from D2N2, Midlands Energy Hub and the Derbyshire Economic Prosperity Committee and the project was commissioned in December 2021.</p> <p>The final version of the Derbyshire Spatial Energy Study was reported to CMT Cabinet in February 2023 and is now published on the Council's website. This study provides important evidence in Local Plan preparation across Derbyshire and the City. It also provides the basis of formulating wider local policy on renewable energy.</p>


11	Work with the Midlands Energy Hub, D2N2 LEP and universities and colleges to build technical and economic capabilities to deliver renewable energy and low carbon heating projects.	Low Carbon Economy	2025	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</b></p> <p>The Council's Economic and Regeneration Service attend and input into relevant D2N2 and Midlands Net Zero Hub groups and the Midlands Energy Growth Board to deliver objectives as set out in the Midlands Engine Ten Point Plan for Green Growth as well as wider ambitions around skills and training. Plans for collaborative projects are beginning to emerge.</p> <p>A Hydrogen Skills Academy is proposed at the East Midlands Freeport, which will help consolidate the approach to building specific skills in hydrogen technologies over the medium term (2+ years).</p> <p><b>Mitigation: The Theme Lead for Low Carbon Economy is increasingly fostering collaborative working with partners to accelerate this area of work.</b></p>
12	Liaise with DNOs and D2N2 LEP to understand grid capacity / constraints for generation opportunities.	Low Carbon Economy	2025	Ongoing dialogue established with relevant stakeholders and DCC's responsibilities and role clearly defined. Action Plan developed to address constraints.	 (no change)	Low	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</b></p> <p>The Derbyshire Spatial Energy Study explores some of these issues, however, further focussed work is needed in this area. A Strategic Framework for Council action to deliver Net Zero energy in Derbyshire is in development, with one of the policy objectives being to make better use of existing, and creating new, energy grid capacity in Derbyshire. The Council is also working with the county's minerals products industry to engage with National Grid on grid capacity issues to ultimately enable a growth in renewable energy generation across the industry.</p> <p><b>Mitigation: The Theme Lead for Low Carbon Economy and the Climate Change Team are exploring and delivering on opportunities to accelerate delivery of this action.</b></p>


13	Deliver the Derbyshire Green Entrepreneurs scheme and provide additional support for reducing environmental impacts, driving innovation, and curating sustainable growth for smaller businesses.	Low Carbon Economy	2021	The success criteria of the GEF has been met or exceeded	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Strong progress made across the Green Entrepreneurs Programme.</p> <p>Funding position at the end of March 2023:</p> <ul style="list-style-type: none"> <li>• Small grants fund: £301,030 awarded to date and £54,051 being contracted</li> <li>• Demonstrator grants: £653,273 awarded to date.</li> <li>• Scholarship Grants: £38,214 awarded to date</li> </ul>
14	Take forward the COVID Recovery Strategy to identify high carbon commercial industries, and support the business community in shifting to and benefiting from the low carbon economy through collaboration with climate change and carbon experts.	Low Carbon Economy	2021	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</b></p> <p>The DE-Carbonise programme has now concluded. Work is being undertaken to develop a successor to the DE-Carbonise scheme with the six participating district and borough councils using their funding through the UK Shared Prosperity Fund (UKSPF). The scheme will include energy audits for businesses and some grant allocation. Options to incorporate this within the Green Entrepreneurs Fund are also being explored.</p> <p>Working through the D2N2 Growth Hub and Midlands Engine, which the Council is fully engaged with, tangible collaborative projects are beginning to emerge. A Strategic Framework for Council action to deliver Net Zero energy in Derbyshire is in development.</p> <p><b>Mitigation: The Theme Lead for Low Carbon Economy and the Climate Change Team are exploring opportunities to accelerate delivery of this action.</b></p>


15	Work with local academic institutions, trade unions, and regional Chamber of Commerce to identify geographical areas for low carbon industry growth, as well as assessing and develop the capabilities and skills of the region in supplying those industries.	Low Carbon Economy	2025	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	High	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</b></p> <p>The Council's lead for skills and employment supports this work through relevant D2N2 groups and the Chamber of Commerce. However, more action is required within the county and region in order to meet ambitions around skills and employment. A Strategic Framework for Council action to deliver Net Zero energy in Derbyshire is in development.</p> <p><b>Mitigation: The Theme Lead for Low Carbon Economy is increasingly fostering collaborative working with partners to accelerate this area of work. Potential for work in this area to be accelerated through a planned review of D2 Economic Strategy and emerging work on the Combined Authority.</b></p>
----	--	--------------------	------	--	--	------	---





16	In line with Vision Derbyshire, continue working with borough and district councils to develop a Strategic Joint Planning Framework for Derbyshire to ensure that planning measures for net zero commercial buildings are integrated into Local Plans.	Planning	2022	Strategic Joint Planning Framework developed in collaboration with local authority partners. Referenced and incorporated in Local Plans and planning activities across the county.	 (no change)	High	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to other areas of focus taking precedent within planning working groups, and clear guidance from central government is awaited.</b></p> <p>This area of work has been paused while collaborative working with the district and borough councils has focussed on the development of a Climate Change Planning Guidance document. Options are being explored within the Vision Derbyshire Planning and Climate Change Subgroup for the development of a Strategic Joint Planning Framework in light of the publication of the Planning White Paper.</p> <p>However, despite the pause on the Strategic Joint Planning Framework, the Vision Derbyshire Climate Change and Planning sub-group has confirmed its priority projects for the next phase of the work programme, these being:</p> <ul style="list-style-type: none"> <li>• Climate Change Design Guide/Code for Derbyshire</li> <li>• Biodiversity Net Gain Guidance</li> </ul> <p>These projects will enable net zero and wider sustainability considerations to be fully embedded within Local Plans and related planning activities and policies.</p> <p><b>Mitigation: The Theme Lead for Planning is leading discussions on this action and coordinating the delivery of the confirmed priority projects for the next phase of the work programme with the district and borough councils.</b></p>
----	--	----------	------	--	--	------	--


Decarbonising the Domestic Sector							
Ref	Priority Action	Lead Theme	Target date for completion	Success Measure	Status (and change since previous Q)	Impact on net zero targets if not achieved	Summary of progress
17	Conduct an updated feasibility assessment on the low carbon heat and renewable energy opportunities within the county.	Climate Change Team	2023	At least one feasibility study conducted per year leading to a proposal for capital work.	 (no change)	<b>High</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to other areas of focus taking precedent within relevant working groups, and clear guidance from central government is awaited.</b></p> <p>The completed Derbyshire Spatial Energy Study explores this and identifies broad opportunities. This is also being explored through a heat network opportunity at Clay Cross and wider renewable energy opportunities. A Strategic Framework for Council action to deliver Net Zero energy in Derbyshire is in development, as well as a proposed D2N2 Local Area Energy Plan.</p> <p><b>Mitigation: This area of work is being progressed through the development of the Council's Strategic Framework for Council action to deliver Net Zero Energy in Derbyshire, and wider opportunities are being explored collaboratively with the district and borough councils through relevant working groups.</b></p>


18	Use outputs of the Renewable Energy Strategy to work with partner local authorities to adopt a whole-system Local Area Energy Planning approach to increase onsite low-carbon energy generation and reduce the demand for energy.	Climate Change Team	2025	Derbyshire Spatial Energy Study complete and being incorporated in planning activities across the county. Renewable energy growth across the county and carbon savings resulting from projects captured where possible.	 (no change)	High	<b>GOOD: On track or complete with outcomes in line with expectations</b>  The completed Derbyshire Spatial Energy Study explores this and identify opportunities for increasing renewable energy generation across the county. Local Plan reviews are happening over the next few years, providing the Council with the opportunities to influence this as well as wider low carbon planning and development. A Strategic Framework for Council action to deliver Net Zero energy in Derbyshire is in development, as well as a proposed D2N2 Local Area Energy Plan.
----	---	---------------------	------	---	--	------	--

19	Through the Vision Derbyshire process agree the approach to supporting the decarbonising of homes recognising the specific opportunities and challenges faced by renters and homeowners and reflecting the need to particularly support those in fuel poverty.	Climate Change Team	2023	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>The Council continues to work with the district and borough councils through the Local Authority Energy Partnership (LAEP) to identify and develop projects to tackle fuel poverty across the county. The Derbyshire Healthy Home programme also continues to replace inefficient and carbon intensive domestic heating systems with modern gas boilers and provide insulation for eligible households.</p> <p>Following the engagement programme which took place across the county a draft Action Plan for consultation has been produced based on the feedback received. The draft has been sent out to communities and other stakeholders for further comment and agreement as, not only is the action plan co-designed, it will also be co-delivered by multiple partners including communities themselves. An options paper exploring options to deliver an energy advice and support service has also been drafted. It is intended that outcomes will be presented to CMT in late Spring 2023. The Vision Derbyshire Living and Working Sustainably Theme is providing governance and oversight to the work.</p> <p>The Council has also worked with partners in the D2N2 region on a joint bid to the Midlands Net Zero Hub Local Energy Advice Demonstrator grant fund, which would provide funding for two years to deliver a face-to-face energy advice and support service to homeowners. The outcome of this bid is expected in May 2023.</p>
----	--	---------------------	------	--	--	----------	--


20	Planning work with the districts and boroughs to develop a Strategic Joint Planning Framework for Derbyshire to ensure achievement of minimum energy standards and net zero housing development.	Planning	2022	Strategic Joint Planning Framework developed in collaboration with local authority partners. Referenced and incorporated in Local Plans and planning activities across the county.	 (no change)	<b>High</b>	See Action 16
----	--	----------	------	--	--	-------------	---------------



21	Work with local authority and wider government partners to develop a Regional Skills Strategy that identify areas of upskilling within the house building and retrofit sectors, and creates investor-ready training programmes to receive support from the proposed National Skills Fund.	Climate Change Team	2023	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	<b>High</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</b></p> <p>The Council's Economic Regeneration Team attend and input into relevant D2N2 groups and the Midlands Energy Growth Board to deliver objectives as set out in the Midlands Engine Ten Point Plan for Green Growth as well as wider ambitions around skills and training. Tangible collaborative projects are beginning to emerge.</p> <p>Liaison with Midlands Net Zero Hub (MNZH) on the theme of retrofitting housing is continuing. MNZH is supporting borough and district councils to retrofit social housing and privately owned homes where the owner is vulnerable and in fuel poverty. MNZH has also appointed 18 training providers across the Midlands to deliver retrofit training courses through the Home Decarbonisation Skills Training Competition. This work will support the development of the supply chain in Derbyshire. An article has been drafted for the Trusted Trader e-newsletter to highlight the opportunity to existing traders.</p> <p><b>Mitigation: The Theme Lead for Low Carbon Economy and the Climate Change Team are increasingly fostering collaborative working with partners to accelerate this area of work. The emerging skills strategy for Combined Authority presents a significant opportunity for consolidating this work.</b></p>
----	---	---------------------	------	--	---	-------------	--


22	Develop an information sharing campaign to educate homeowners and renters on how to improve the energy efficiency of their property	Climate Change Team	2023	Campaign developed and rolled out, in collaboration with local authority partners. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Following the community engagement work (see item 19) a draft action plan and options paper have been produced setting out actions for delivering a campaign on energy efficiency which can be co-delivered by community groups and councils across the county.</p> <p>As a first step to this work, The Council is working with other members of the Local Authority Energy Partnership to agree a revision of the 'Everybody's Talking About Climate Change' website and move to a new platform to provide location-specific information on retrofit which will complement that available nationally.</p> <p>The Council has also worked with partners in the D2N2 region on a joint bid to the Midlands Net Zero Hub Local Energy Advice Demonstrator grant fund, which would provide funding for two years to deliver a face-to-face energy advice and support service to homeowners. The outcome of this bid is expected in May 2023.</p>
----	---	---------------------	------	--	--	----------	--


Transport, Travel and Infrastructure							
Ref	Priority Action	Lead Theme	Target date for completion	Success Measure	Status (and change since previous Q)	Impact on net zero targets if not achieved	Summary of progress
23	Promote integrated, and place-based development in transport planning as part of Derbyshire's COVID recovery and economic revival of market towns, to reduce emissions from first and last mile journeys and provide an economic boost to local retail and businesses.	External Transport and Travel,	2025	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	<b>High</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>This action is being progressed through various areas of activity. This includes the market town programme workstream, which includes sustainable transport and travel within its remit. Projects being led by the planning team (such as the development of the Climate Change Planning Guidance) and the sustainable transport team (such as work around active travel and EV charging infrastructure) are also contributing to this.</p> <p>The Local Transport Plan, which is under development, will include climate change considerations and new Guidance anticipated to require a quantifiable carbon reduction assessment and plan for Derbyshire's transport sector. The Government has provided grant funding to assist with plan preparation.</p>





24	Support the new Enhanced Bus Partnership arrangements being introduced in Derbyshire as part of the new National Bus Strategy. This will involve Derbyshire County Council and the bus operators investing in new service provision, improved roadside bus infrastructure, mobility as a service, integrated ticketing systems, and upgraded information availability to provide an improved public transport offering to Derbyshire residents.	External Transport and Travel	2022	BSIP delivered, monitored and evaluated in line with the established aims and objectives.	 (no change)	<b>High</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to a reduced level of funding secured for the BSIP and delays in the release of funding from DfT.</b></p> <p>The Council's Bus Service Improvement Plan (BSIP) submission was approved by Cabinet on 14 October 2021 and submitted to DfT. The Council was successful in securing £47m of funding, around half of the original bid. The first year of BSIP funding was received from the DfT in November 2022. As this has arrived eight months later than originally anticipated some of the schemes proposed for 2022/23 are now going to be delivered later in the programme. However, schemes progressed during this quarter include:</p> <ul style="list-style-type: none"> <li>• fares discount for young people between 16-18 and unemployed people</li> <li>• the first phase of the bus priority measures at some traffic signals</li> <li>• the introduction of some new and enhanced bus services</li> </ul> <p>Work on the Enhanced Bus Partnership continues. A countywide Transport Hub study has been completed by SYSTRA. The work incorporates considerations for connectivity to/from other modes and sustainable travel and is linked to the BSIP.</p> <p><b>Mitigation: Now that funding has been confirmed and the first year of funding received, the full programme of work is being confirmed and timetabled, with recruitment and commissioning activities being carried out to enable implementation of projects.</b></p>
----	---	-------------------------------	------	---	---	-------------	---



25	Support the implementation of the Derbyshire Cycling Plan and the Local Cycling and Walking Infrastructure Plan.	External Transport and Travel	2022	Key Cycle Network information updated and priority work carried out (subject to DfT funding).	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Work to adopt a D2N2 Local Cycling and Walking Infrastructure Plan (LCWIP) continues. The LCWIP contains the strategic Derbyshire Key Cycle Network proposals.</p> <p>Key Cycle Network information being updated. White Peak Loop is a priority with feasibility studies underway. Active Travel Tranche 2 funding secured.</p> <p>The Council has received an allocation of £0.285m from Active Travel England's Capability Fund to build capacity and develop business cases for more complex active travel schemes in market towns.</p>
26	Support actions for increasing the uptake of active transport to reduce emissions particularly within marginalised groups, and improve health and wellbeing for all.	External Transport and Travel	2022	Relevant schemes carried out successfully and in line with their specific objectives. DfT Capability Fund funded work completed and findings implemented. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>Various areas of work relevant to this action are being progressed. This includes a potential GP referral scheme with Public Health, which would include targeting marginalised groups, such as people in deprived areas with high levels of health inequality. Smart Rider cycle safety schemes for school children and adult cycle training are delivered by the Council's road safety team.</p> <p>The Council has secured funding from Round 1 of the DfT Capability Fund to undertake a range of feasibility studies supporting the D2N2's Local Cycle and Walking Infrastructure Plan.</p> <p>Rural Action Derbyshire's Wheels to Work programme provides moped and bike information, training and loans to help people access work training or education. Revenue and Capital funding for this programme is confirmed until March 2024.</p>

27	Continue to support the above average growth of zero emissions vehicle ownership in the country by establishing public private investment partnerships to develop a network of mixed speed public charging and hydrogen infrastructure, which is affordable, consistent, accessible and user friendly for residents and visitors.	External Transport and Travel	2022	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. EV numbers tracked against target. Carbon savings resulting from projects captured where possible.	 (no change)	High	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>EV charge point work is ongoing with the strategic outline approach adopted by Cabinet in March 2023. A full time Low Emissions Vehicle Infrastructure (LEVI) Project Officer is in post to coordinate this work. A consultant has completed a study into potential demand across the county and to assess the preferred locations and types of charge points needed to meet this demand. A detailed procurement exercise to appoint appropriate charge point suppliers to install both residential and destination charge points across the county is now being carried out, which includes a contract to install upwards of 200 lamp column charge points for overnight residential use. A resident engagement exercise is also underway to help identify sites that are in most demand to prioritise the roll out.</p> <p>The Council is currently working with a consortium, led by CENEX and including Karshare and Co-Charger looking at shared EV and EV Chargepoint ownership in a rural setting, concentrating on Buxton and Hope communities.</p> <p>Low Carbon Mobility Task Force (through D2N2) is looking at hydrogen fuel and technology opportunities, which the Council is involved in.</p>
----	---	-------------------------------	------	---	--	------	--

28	Evaluate the use of smart technologies and alternative fuels to reduce the emissions associated with commercial and freight transports e.g. consolidation hubs, hydrogen sub-stations, transport mobility hubs, mobility as a service etc.	External Transport and Travel	2023	Projects and schemes tracked and reported, along with carbon reduction impact, where possible.	 (no change)	Low	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to limited capacity and higher priority areas within the relevant teams, as well as complexities around external funding for these areas of work.</b></p> <p>This action is being progressed through various areas of activity. This includes a feasibility study for two transport hubs in the county, exploring opportunities around Mobility as a Service, and opportunities for developing a portal for all transport information in the county.</p> <p>This also has strong links with the BSIP which includes funding for transport mobility hubs.</p> <p><b>Mitigation: A Mobility Hub strategy is to be developed. The Vision Derbyshire economic group is currently developing the scope of its next project around smart counties, which will also help to deliver this area of work.</b></p>
----	--	-------------------------------	------	--	--	-----	---

Waste							
Ref	Priority Action	Lead Theme	Target date for completion	Success Measure	Status (and change since previous Q)	Impact on net zero targets if not achieved	Summary of progress
29	Identify solutions to increase the diversion of organic waste including food, soiled materials, carpets, organic textiles, etc. from landfill.	Waste	2023	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	Moderate	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>The Council is predominantly responsible for the disposal of residual municipal waste. It facilitates the increased diversion of the identified materials through its waste disposal/treatment contracts which encourage the disposal of materials via new technologies rather than landfill. The Council promotes home composting, reduction of food waste through Love Food Hate waste, for example.</p> <p>A consistency consultation paper is still under review by DEFRA. The Council and the Waste Collection Authorities (WCAs) are currently reviewing the potential impacts and opportunities to services and contracts, and the opportunities for collaboration, creating competitive tendering within the business environment and Value for Money for stakeholders and public services. The delivery plan continues to be progressed with relevant stakeholders.</p> <p>The Waste Management Service is reviewing Household Waste Recycling Centres performance to explore the potential opportunities for increased recycling and diversion.</p>

30	Undertake a cross authority behaviour change campaign to promote reduction in waste and resource consumption in the home and businesses.	Waste	2022	Campaigns developed and rolled out, in collaboration with local authority partners, with success monitored and reported.	 (no change)	<b>Moderate</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to limited capacity at present in the waste management team, and due to the Council's limited direct control in this area.</b></p> <p>The Council as Waste Disposal Authority runs campaigns and where possible does so in partnership with WCAs. The campaigns focus on residual municipal waste (not business waste), as the Council only has a remit for the disposal of Household Waste arisings.</p> <p>Waste reduction messages are communicated where resources allow. The Council uses social media messages as much as possible. Videos are currently being promoted to encourage food waste reduction with plans to promote more messages when resources permit.</p> <p>Smaller campaigns are being rolled out, to align with the Household Waste Recycling Centre performance review and operational health and safety concerns i.e., sorting your waste campaign at the HWRCs. The Service will continue to be promoted through social media where possible. Videos produced for publication on WCA websites.</p> <p><b>Mitigation: The Theme Lead for Waste is continuing to work closely with WCAs in this area.</b></p>
----	--	-------	------	--	--	-----------------	--

31	Work with local producers and businesses to restrict the use of single use products and support the market for remanufactured goods.	Waste	2024	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	<b>Moderate</b>	<p><b>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to limited capacity at present in the relevant teams, and due to the Council's limited direct control in this area.</b></p> <p>The Sustainable Procurement Policy will help to ensure that, when procuring contracts, departments look to source products with recycled content and reduce single use plastics. This is to be supported by the Council's' Single Use Plastics (SUP) policy. Further engagement with producers and businesses is planned but not yet carried out due to capacity issues in relevant teams.</p> <p>Continue to promote sustainable procurement policy when procuring new contracts.</p> <p><b>Mitigation: The Theme Leads for Waste and Procurement are exploring opportunities to increase capacity to deliver this action.</b></p>
32	Explore the potential for partnering with local charities and organisation to segregate and redistribute good quality products from HWRC	Waste	2025	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined. Carbon savings resulting from projects captured where possible.	 (no change)	<b>Low</b>	<p><b>GOOD: On track or complete with outcomes in line with expectations</b></p> <p>The new Household Waste Recycling Centre contracts address Social Value and encourage working with the Third Sector to deliver a service where reuse and recycling opportunities are maximised.</p> <p>The new Household Waste Recycling Centre contract (currently in the mobilisation phase) has a requirement to redistribute good quality products from HWRCs. Two initial sites have been identified as Bolsover and Raynesway HWRCs, and the second phase will include Darley Dale and Ashbourne. The scope and timeline are currently in discussion.</p>

## LONG-LIST ACTIONS – Summary

In addition to the 32 priority actions listed above, the Strategy includes a series of 120 'Long List' supplementary actions, initiatives and projects, which it is anticipated the County Council will either lead or support. As part of the annual review of delivery of the Strategy carried out in Autumn 2022, the Long List has been reviewed and rationalised, with a new Long List of 30 actions established. A summary of performance for these 30 actions is provided below.

The overall position has remained unchanged from the previous quarter. 13 long list actions (43%) are scored as being **Good** (on track or complete with outcomes in line with expectations) with 15 actions (50%) requiring **Review** (some risk to achieving timetable and/or outcomes).

Two actions are identified as requiring **Action** (unlikely to achieve timetable and/or to deliver required outcome), a summary of the actions being taken to rectify the relevant issues and bring the actions back on track, are detailed below:

- **LL15 – Grid Capacity and Demand:**

- Making better use of existing, and creating new, energy grid capacity in Derbyshire' is one of six Policy Objectives for the Council in the Strategic Framework for Council action to deliver Net Zero energy in Derbyshire. This Strategic Framework is due to be presented to Cabinet for approval in May/June 2023. Through delivery of the Strategic Framework, the Council will continue to engage and work more closely with National Grid and other partners (including community energy groups) to understand and address issues around grid constraints and future demand models and scenarios. Through expanded capacity and connection, and the move to a more decentralised energy system, a growth in renewable energy generation, a growth in viable community energy projects, and greater capacity across the grid for an expansion of Electric Vehicle charging infrastructure in the county will be enabled.
- Through a new Memorandum of Understanding, the Council is collaborating with the Derbyshire Minerals Product Industry to ensure net zero is achieved for the industry and for the county by 2050. This includes engaging with National Grid to identify opportunities to resolve issues concerning the condition and capacity of the electricity grid, which is preventing large-scale investment in renewable energy generation by the industry. A roundtable discussion between the Council, the Minerals Product Industry and other relevant stakeholders in May 2023 will also explore this issue further.
- A proposed Local Area Energy Plan for the D2N2 region, being coordinated by Midlands Net Zero Hub, will deliver a fully costed, spatial plan that identifies the change needed to the local energy system and built environment, to ensure a net zero energy system by 2050 is achieved. This will enable future energy generation and demand opportunities and new ways to balance the grid more effectively to be understood.
- As part of the Council's Asset Management Strategy and programme of Electric Vehicle charging infrastructure installation across the corporate estate, the Council is engaging with National Grid to ensure the necessary grid connection and supply is available to support these projects.














- **LL21 – Funding Support:**











- Through the Local Climate Engagement Programme the Council has been working with the borough and district councils to engage with residents to understand what support they need to enable them to retrofit their own homes and to co-design and co-deliver a programme









of activities which will support homeowners to make their homes fit for the future. A draft Action Plan has been developed and has been shared with relevant groups for feedback by 5 May 2023. A key action will be to explore options for delivering an impartial energy advice and support service ranging from a simple advice service to a service managing and co-ordinating homeowners retrofit. Although financial support to residents is not expected to be part of any support provided, guidance on, and signposting to, wider central government financial support will be included in any information sharing mechanism and campaigns.

- The draft Action Plan also includes the Council working closely with the district and borough councils to explore options (by September 2023) for bulk buying of solar panels and insulation materials to enable homeowners to take advantage of reduced costs.
- The Council is working with other members of the Local Authority Energy Partnership to agree a revision of the 'Everybody's Talking About Climate Change' website and move to a new platform to provide location-specific information on retrofitting, which will include the provision of up-to-date information about finance and grants available for energy efficiency measures. The website will be updated and relaunched by the end of 2023.
- The Council has worked with partners in the D2N2 region on a joint bid to the Midlands Net Zero Hub Local Energy Advice Demonstrator grant fund, which would provide funding for two years to deliver a face-to-face energy advice and support service to homeowners. The outcome of this bid is expected in May 2023.

COUNCIL ESTATE AND OPERATIONS		
Ref	Action	Status
LL1	<b>Decarbonising Schools:</b> Undertake a baselining exercise with all schools in Derbyshire to identify their existing emissions and ongoing work to reduce energy consumption. For all schools within the Derbyshire County Council Portfolio agree a target date to reduce emissions to net zero, between 2030 and 2040.	
LL2	<b>Policy Review:</b> Review all relevant existing Derbyshire County Council policies and update, where required, to ensure they consider carbon reduction and climate resilience and do not contradict our Climate Change Strategy and direction.	
LL3	<b>Renewable Energy Generation:</b> Maximise opportunities for renewable energy generation on Council property and work with partners, such as Midlands Net Zero Hub, to deliver collaborative projects and access funding streams.	
LL4	<b>Efficient Buildings:</b> Install lighting and heating controls, as well as water efficiency measures, across the estate to improve energy and water efficiency and continue to embrace the use of new technology to create a more agile, flexible, and mobile workforce.	
LL5	<b>Behaviour Change (Internal):</b> Undertake awareness raising and behaviour change campaigns to ensure all staff know how to make energy efficient choices in the home and workplace. Include climate-conscious behaviour into Job Descriptions, Employment Terms and Conditions and as part of the staff annual performance review.	
LL6	<b>Behaviour Change (External):</b> Provide ongoing up-to-date information on activities to reduce energy use and on taking wider action to tackle climate change on the Derbyshire County Council website. Work with communities to co-design and co-deliver specific actions within the Climate Change Strategy.	
LL7	<b>Council Fleet Vehicles:</b> Review core fleet requirements in each department to understand the current and potential future use of the core and grey fleet considering company EVs; hire vehicles; inter-departmental sharing of core vehicles, use of VMS. Deliver a programme to replace Derbyshire County Council's HGVs in 2024 with Clean Air Zone (CAZ) compliant vehicles combined with use of satellite navigation, awareness of driver style and use of a Vehicle Management System. Use the collective purchasing power of Derbyshire's councils when purchasing fleet vehicles.	
LL8	<b>Scope 3 emissions:</b> Map the Council's level of influence against different levels of emitters to prioritise and focus action, and estimate emissions from 'Working at home'.	
LL9	<b>Project Scoping and Impact Assessments:</b> Carry out Climate Impact Assessments on all Derbyshire County Council infrastructure projects from 2022 identifying the whole carbon lifecycle and resilience to climate change. Ensure low carbon and resilient options are embedded in scope of works for new developments for client partners.	
LL10	<b>Procurement:</b> Consider opportunities for a joint procurement approach across local authorities in Derbyshire to purchase low carbon services including electric vehicle charging infrastructure, and building upgrades.	
LOW CARBON ECONOMY		
Ref	Action	Status
LL11	<b>Low Carbon Heat:</b> Work with industrial partners to identify opportunities for waste heat recovery to serve low-carbon heating schemes, and to explore opportunities for the electrification of heat and heat pump technologies in non-residential buildings.	
LL12	<b>Planning:</b> Work with local authority partners and developers to better understand the integration of whole life carbon assessment into non-residential new developments, and to identify focus areas for energy efficiency improvements and renewable energy generation installations in the county's existing non-residential building stock.	
LL13	<b>Minerals Industry:</b> Work with the minerals industry to identify partnership projects for the transition to a low carbon sector.	

LL14	<b>Community Energy:</b> Work with community groups to develop community energy schemes and help secure funding from the Local Enterprise Partnership (LEP) for local energy projects.	
LL15	<b>Grid Capacity and Demand:</b> Work with the DNOs and other partners to identify priority zones for low carbon development, to support the energy transition, and to reduce additional stresses placed on power networks due to increased electrification (transport, heat etc.) and increased penetration of renewables.	
LL16	<b>Business Support:</b> Continue investing in the Derbyshire Green Entrepreneurs Fund, explore other mechanisms (such as a revolving fund) and secure external funding where relevant, to support Derbyshire businesses in improving the carbon and energy consumption in operational performance and to drive innovation and curate sustainable growth.	
LL17	<b>Skills and Training:</b> Develop a comprehensive apprentice training programme developed in conjunction with University Partners, kick-started by placing requirements on directly commissioned works.	
DECARBONISING THE DOMESTIC SECTOR		
Ref	Action	Status
LL18	<b>Retrofitting Project Pipeline:</b> Work with the district and borough councils, Midlands Net Zero Hub and the D2N2 LEP to identify a programme of 'shovel ready' projects and partnership frameworks for retrofitting domestic properties and to enable a more rapid, collaborative and timely response to funding opportunities.	
LL19	<b>Planning:</b> Continue to work with the borough and district councils and developers to explore increasing requirements within Local Plans and wider planning policies for zero carbon homes and so that new housing developments are resilient a changing climate.	
LL20	<b>Domestic Retrofit Skills, Employment and Training:</b> Carry out analysis to understand the capacity of the construction and retrofit sectors to retrofit all homes across Derbyshire to EPC rating C or above by 2035. Work with local authority and academic partners, as well as industry, to continue to strengthen and develop local skills, capacity, frameworks and expertise in domestic energy efficiency retrofitting, and develop a Regional Energy Skills Strategy to inform investor-ready programmes to receive support from the National Skills Fund.	
LL21	<b>Funding Support:</b> Support residents in responding quickly to government financial support for home improvement, and explore the feasibility of a council-managed local green homes fund to provide access to homeowners for financial support with energy efficiency improvements, as well as passing on savings from bulk retrofit contracts.	
TRANSPORT, TRAVEL AND INFRASTRUCTURE		
Ref	Action	Status
LL22	<b>Active Travel:</b> Develop partnerships and seek funding for training and support to increase number of young people who can cycle confidently and cycle regularly. Ensure cycle proofing is embedded in design of future infrastructure developments and increase the use of active travel (cycling and walking) for first and last mile transport use by utilising a more connected approach across different service offerings.	
LL23	<b>Bus Services and Infrastructure:</b> Through delivery of the Bus Service Improvement Plan and working with local and regional partners, such as Midlands Connect, work collaboratively to: <ul style="list-style-type: none"> <li>• Introduce measures to present the bus services in Derbyshire as a singular coordinated network.</li> <li>• Install electronic real time information signs and LED lighting at all key bus stops and interchanges.</li> <li>• Implement targeted punctuality improvement infrastructure measures to make bus journeys quicker and more reliable.</li> <li>• Continue investment in new buses to improve vehicle emissions standards and introduce low carbon buses such as electric or hydrogen.</li> </ul>	

LL24	<b>Planning:</b> Reinvigorate travel planning and behavioural change activities linked to new housing and commercial developments, and ensure public transport routes and gateways are developed to access rural areas, including the Peak District National Park.	
LL25	<b>Taxi Operators:</b> Support taxi operators in embracing alternative technologies and infrastructure by support applications for grant funding and expanding the public charging network.	
LL26	<b>Technology:</b> Track developments in transport technology to ensure rapid deployment of low carbon solutions.	
LL27	<b>EV Charging Infrastructure:</b> Work with partners to accelerate the shift to electric vehicles through improving charging point infrastructure and promoting the uptake in these vehicles, with a particular focus on facilitating a growth in charging infrastructure in areas where there is little or no commercial viability (such as on-street charging).	
<b>WASTE</b>		
<b>Ref</b>	<b>Action</b>	<b>Status</b>
LL28	<b>Strategy Development and Implementation:</b> In the development of the new Derbyshire Waste Strategy integrate circular economy principles and set ambitious targets for increased reuse and recycling.	
LL29	<b>Council Waste and Resources:</b> Establish task groups within each Department to promote good waste reduction, recycling and recovery practices within service delivery and contracting activities. Produce six monthly reports on waste produced across the estate and make this available to all staff to enable better understand of the impact of waste reduction measures.	
LL30	<b>Partnership Working:</b> Continue to work with local, regional and national partners on improving levels of waste diversion through effective public engagement and behaviour change. Work with local businesses to explore embedding circular economy practices within operations and explore opportunities for collaboration with research groups and universities.	