



FOR PUBLICATION

DERBYSHIRE COUNTY COUNCIL

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

MONDAY, 10 OCTOBER 2022

Report of the Executive Director - Place

Climate Change Performance Reporting - 2022-2023 Q1

1. Purpose

- 1.1 The purpose of this report is to present the Climate Change Programme Dashboard for Quarter 1 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').
- 1.2 The report has been developed to provide assurance to the Improvement and Scrutiny Committee for Climate Change, Biodiversity and Carbon Reduction on the role of the Climate Change and Environment Programme Board (CCEPB) in monitoring performance, and to assist the Committee in fulfilling its role of providing oversight and undertaking scrutiny of the climate change programme's governance procedures and processes.

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 presented on 7 February 2022, a core mechanism for monitoring and reporting on performance is regular performance reporting to the 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 was presented to the Improvement and Scrutiny Committee for Climate Change, Biodiversity and Carbon Reduction on 7 February 2022.
- 3.2 The Performance Dashboard was presented to the CCEPB on 15 September 2022.

4. Alternative Options Considered

- 4.1 N/A.

5. Implications

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

6. Background Papers

- 6.1 N/A.

7. Appendices

- 7.1 Appendix 1 – Implications.

7.2 Appendix 2 – Climate Change Programme Dashboard 2022-23, Q1

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 to ensure the Strategy and actions remain on track and are delivered.

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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.

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 The Strategy supports the Council's ambition to be a net zero organisation by 2032, or sooner, and for the County to be net zero by 2050.

Environmental Sustainability

- 6.2 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, Q1

Overview

Strategy Theme	Good	Review	Action
Council Estate and Operations	5	3	1
Low Carbon Economy	2	5	0
Decarbonising the Domestic Sector	3	3	0
Transport, Travel and Infrastructure	4	2	0
Waste	2	2	0
Total	16	15	1

Delivery Theme	Theme Lead	Good	Review	Action
Council Property and Estate	David Beard	2	2	1
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	TBC	4	2	0
Low Carbon Economy	Paul Patterson	1	4	0
Planning	David Arnold	2	3	0
Internal Engagement and Training	Sally Pearson	1	0	0
External Engagement	Julia Odams	0	0	0
Natural Capital	Adam Lathbury	0	0	0
Waste	Ruth Robinson	2	2	0
Climate Change Team	Caroline Toplis	2	1	0
Total		16	15	1

-  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.

For this quarter, 16 priority actions (50%) 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.

One priority action (3%) has been allocated an **Action** rating, meaning that, at present, it is unlikely to achieve timetable and/or to deliver required outcome. This action falls under the Council Operations and Estate theme.

- (Ref 3) Deliver Public Sector Decarbonisation Schemes and evaluate to inform further work.

Work is underway to bring this action back on track, which will need to be clearly focused and have the necessary level of resources allocated to it.

Of those actions allocated a Review rating, the actions that have the potentially biggest negative impact on achieving net zero targets if not achieved require particular attention to ensure they are progressed sufficiently, these being:

Council Estate and Operations:

- (Ref 1) Identify land for renewable energy generation and carry out pre-feasibility assessments to identify whole life project costs.
- (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 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.




Brief 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




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
Council Estate and Operations							
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.	 ( last Q)	High	<p>REVIEW: Work in progress with external consultants to be commissioned.</p> <p>Corporate Property are developing a Net Zero Strategy for the Council's corporate estate, which quantifies the output required from major projects for renewable energy generation in order to help meet the Net Zero target. Both solar and wind power opportunities are being considered.</p> <p>15 sites have been identified and reviewed for ground mounted solar PV, with eight sites meriting further consideration. Of these eight, a site at Williamthorpe has been given priority status for development as a solar farm with an estimated annual output of power equivalent to 2,200 tonnes CO₂e. This site was previously granted outline planning permission for a ground mounted solar PV scheme. APSE Energy are being appointed to undertake the review of the sites and develop businesses case(s).</p> <p>Of the other seven sites, some are being reviewed for potential tree planting, and feedback from WPD suggests that there is no capacity for further connections to the grid in the Chesterfield area within the next five years. Engagement with DNOs regarding grid demand and capacity is to be a priority within the scoping of an energy strategy for the county.</p> <p>Mitigation: The APSE Energy commission will provide the business case(s) for solar PV scheme development.</p>



2	Develop a design standard for future estate development which sets the requirement to develop net zero enabled buildings which can be net zero but also resilient to future climatic changes.	Property and Estate	2023	Design standard developed and approved, and incorporated into formal council policy and an energy strategy.	  last Q)	High	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>Corporate Property have now completed the development of proposed design standards are all new build and refurbishment projects. This work has been endorsed by the Climate Change and Environment Programme Board and is ready for Cabinet approval and then adoption.</p>
3	Deliver Public Sector Decarbonisation Schemes and evaluate to inform further work.	Property and Estate	2023	Three current schemes completed to time, with results monitored, evaluated and reported.	 (no change)	Moderate	<p>ACTION: Unlikely to achieve timetable and/or to deliver required outcome. This is due to difficulties experienced in installing the planned low carbon heat technologies, leading to funding being withdrawn, and the need for feasibility studies to inform opportunities.</p> <p>A £1.891m grant was awarded to the Council through the government's Public Sector Decarbonisation Scheme (PSDS. This grant was for carrying out low carbon heat schemes at Ambergate Depot, White Hall Centre and Buxton Junior School, identified through feasibility studies funded by BEIS' Low Carbon Skills Fund.</p> <p>However, the proposed works at Ambergate Depot and the White Hall Centre encountered technical and procurement difficulties which meant that they could not be completed by the required deadline and therefore funding was withdrawn. The project at Buxton Junior School is currently underway.</p> <p>The PSDS phase 3b is due to open to new bids for funding in September 2022. Feasibility studies are needed to inform which buildings should be put forward for PSDS funding, with feasibility funding currently being sought.</p> <p>Mitigation: Corporate Property are reviewing potential buildings for future PSDS funding bids and seeking support for feasibility funding.</p>



4	Identify buildings to be retained and undergo energy efficiency retrofit.	Property and Estate	2023	Identification of which buildings provide the greatest opportunity for retrofitting and a high-level analysis of opportunities, costs and benefits carried out.	  last Q)	High	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>An Asset Strategy for the corporate estate has been developed with all buildings to be retained, for short term disposal and for further review identified. The value of all known disposals is quantified. Property rationalisation is a significant factor in reducing future energy use and carbon emissions.</p> <p>Corporate Property have identified three proposed energy reduction retrofit measures</p> <ol style="list-style-type: none"> 1. Installation of solar PV on rooftops (30 priority scheme identified) 2. Installation of energy use remote monitoring equipment (30 priority scheme identified) 3. Improvements to thermal performance and energy efficiency (priority projects being identified) <p>Priority projects will be included in a capital strategy bid is to be submitted in September 2022. Procurement and delivery options for these projects are being explored. Feasibility fundings is being sought to provide the evidence needed to enable projects to move forwards.</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.	Fleet	2025	Targets for EV pool car use and fleet vehicle decarbonisation set out in the Service Plan met.	 (no change)	High	<p>REVIEW: Some risk to achieving timetable and/or outcomes. Council fleet EV usage has greatly increased post pandemic, attributed to high fuel costs, but the limited number of pool vehicles cannot meet demand for enquiries at present.</p> <p>A coordinated working group has been established between sustainable transport (for the charging infrastructure) and fleet services (for the vehicles), as well as comms, HR and legal teams. Change needed in order to reduce the carbon and financial impact of grey fleet travel across the Council. Place is now in dialogue with departmental leads, HR, and Finance to look at increased use of EV pool cars</p>



							Place is in dialogue with Asset Management to ensure that proposed charging locations are in assets which are not subject to potential disposal and are in suitable locations. The design standard for new build supports the EV strategy Discussion held over consideration for inclusion in the depot rationalisation project. Mitigation: A working group has been formed to establish a joint action plan to coordinate this work. Funding has been secured for a fulltime LEVI officer aligned to the Sustainable Travel team in Economy and Regeneration. Recruitment on-going. This will add much needed capacity to the project.
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 an action plan developed for its implementation and monitoring.	 (no change)	High	GOOD: On track or complete with outcomes in line with expectations Cabinet have now approved the Sustainable Procurement Policy and work is being done to communicate this to staff and make it accessible on the DCC Website. As part of the Council's use of the Social Value Portal, the National TOMs (Themes, Outcomes and Measures) Framework into will be incorporated into Council procurement contracts with the aim of achieving more sustainable value from procurements.
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 an action plan developed for its implementation and monitoring.	 (no change)	High	GOOD: On track or complete with outcomes in line with expectations The new sustainable procurement policy will embed sustainable procurement principles and practice into all procurements and commissioning carried out across the Council.
8	Carry out a feasibility study to identify low carbon energy procurement options.	Property and Estate	2023	Feasibility study completed on an annual basis, and presented to	 (no change)	Moderate	REVIEW: Some risk to achieving timetable and/or outcomes. This is due to price and supply issues in the UK energy market.



				CMT for support or approval.			Feasibility study undertaken during summer 2021, but due to energy market issues, price rises and insufficient supply capacity within the Council's current energy supplier, it was put on hold and is to be revisited during autumn 2022 to assess whether the feasibility of procuring a renewable energy tariff has changed. Mitigation: The feasibility study will be revisited during autumn 2022.
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. Targets set for levels of participation by existing staff. Six 1.5-2 hour training sessions held over each 12-month period.	 (no change)	Moderate	GOOD: On track or complete with outcomes in line with expectations Following approval from the Corporate Management Team, a comprehensive climate change training offering for employees and elected members is being developed and rolled out. An online climate change training module has become a mandatory part of the induction process for new employees. Six two-hour Climate Change and Sustainability sessions have been made available for all employees and, to-date, five have been delivered, all of which were fully booked, Further session are to be arranged. Carbon Literacy training took place over two mornings on 19 and 26 May 2022 which was attended by Elected Members and Senior Officers. Further development and roll out of this training is being reviewed. The Climate Change team have been asked to present to Elected Members at the member development event in September.
Low Carbon Economy							
Ref	Action	Lead Theme	Target date for completion	Success Measure	Status	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	Renewable energy study complete and being incorporated in planning activities across the county	 (no change)	High	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>Funding secured from D2N2, Midlands Energy Hub and the Derbyshire Economic Prosperity Committee. Project commissioned in December 2021.</p> <p>The final version is expected to be published in September. This study will provide important evidence in Local Plan preparation across Derbyshire and the City as they become replaced or reviewed. This will provide the basis of formulating local policy on renewable energy</p> <p>The Steering Group has been providing feedback to the consultancy team throughout.</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	 (no change)	Moderate	<p>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</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 approach to building specific skills in hydrogen technologies over the medium term (2+ years).</p> <p>Mitigation: The Theme Lead for Low Carbon Economy and the Council's lead for skills and employment are increasingly fostering collaborative working with partners to accelerate this area of work.</p>
12	Liaise with DNOs and D2N2 LEP to	Low Carbon Economy	2025	Ongoing dialogue		Low	<p>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence</p>




	understand grid capacity / constraints for generation opportunities.			established with relevant stakeholders and DCC's responsibilities and role clearly defined	(no change)		<p>sitting outside of the Council and to other commitments within relevant teams putting strain on capacity.</p> <p>The Renewable Energy Study will explore some of these issues, however, further focussed work is needed in this area. A scope for a Derbyshire Energy Strategy is in development.</p> <p>Mitigation: The Theme Lead for Low Carbon Economy, alongside the Climate Change Team, are exploring opportunities to accelerate delivery of this action.</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>GOOD: On track or complete with outcomes in line with expectations</p> <p>Strong progress made across the Green Entrepreneurs Programme. As of end of August:</p> <ul style="list-style-type: none"> • £541,341 has been awarded on Strand 1 to three projects (large scale demonstrator fund) with another full application currently being assessed. • £30,780 has been awarded to 28 individuals on strand 3 (scholarship funding). • Take up of the small grants for businesses (strand 2) has been slower than anticipated – predominantly due to the current market conditions and rising inflation costs which seems to be affecting business confidence. Currently, £94,298 has been awarded to 6 small businesses as a grant and there are 4 more applications invited to submit full applications for a total of £80k.
14	Take forward the COVID Recovery Strategy to identify high carbon commercial industries, and support the business community in	Low Carbon Economy	2021	Delivery plan in place and being progressed in line with established targets and objectives, with	 (no change)	Moderate	<p>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council and to other commitments within relevant teams putting strain on capacity.</p> <p>The DE-Carbonise programme is coming to an end in September and all previously targeted outputs have been</p>




	shifting to and benefiting from the low carbon economy through collaboration with climate change and carbon experts.			DCC responsibilities and role clearly defined			<p>exceeded in relation to providing grants to support business in de-carbonising their buildings and processes. Potential extension to this programme is being explored through Shared Prosperity Funding – subject to on-going proposals.</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 scope for a Derbyshire Energy Strategy is in development.</p> <p>Mitigation: The Theme Lead for Low Carbon Economy, alongside the Climate Change Team, are to explore opportunities to accelerate delivery of this action.</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	 (no change)	High	<p>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</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 scope for a Derbyshire Energy Strategy is in development.</p> <p>Mitigation: The Theme Lead for Low Carbon Economy and the Council's lead for skills and employment are 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 devolution deal.</p>
16	In line with Vision Derbyshire, continue working with Borough District councils to develop a Strategic Joint Planning	Planning	2022	Strategic Joint Planning Framework developed in collaboration with local	 (no change)	High	<p>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.</p>



	Framework for Derbyshire to ensure that planning measures for net zero commercial buildings are integrated into Local Plans.			authority partners and being incorporated into local planning activities.			<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 Supplementary Planning Guidance document. Options are being explored within the Vision Derbyshire Planning and Climate Change Subgroup on whether launching the development of a Strategic Joint Planning Framework would be appropriate following the publication of the Planning White Paper.</p> <p>Mitigation: The Theme Lead for Planning is leading discussions and confirming a way forward with this action with the district and borough councils.</p>
Decarbonising the Domestic Sector							
Ref	Action	Lead Theme	Target date for completion	Success Measure	Status	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.	Planning	2023	At least one feasibility study conducted per year leading to a proposal for capital work.	 (no change)	High	<p>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.</p> <p>The Renewable Energy Study will start to look at this and identify broad opportunities. This is also being explored through the Vision Derbyshire Climate Change Officers group, focussing on the heat network opportunity at Clay Cross, for example, and micro-generation opportunities. A scope for a Derbyshire Energy Strategy, led by Derbyshire County Council, is in development.</p> <p>Mitigation: This area of work is being explored collaboratively with the District and Borough councils through relevant working groups.</p>
18	Use outputs of the Renewable Energy Strategy to work with partner local	Planning	2025	Renewable energy study complete and being	 (no change)	High	GOOD: On track or complete with outcomes in line with expectations


	authorities to adopt a whole-system Local Area Energy Planning approach to increase onsite low-carbon energy generation and reduce the demand for energy.			incorporated in planning activities across the county. Renewable energy growth across the county			The Renewable 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 have opportunities to influence this as well as wider low carbon planning and development. A scope for a Derbyshire Energy Strategy 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	  last Q)	Moderate	<p>GOOD: On track or complete with outcomes in line with expectations</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 continues to replace inefficient and carbon intensive domestic heating systems with modern gas boilers and insulation for eligible households.</p> <p>The Council, along with the district and borough councils, have received extensive training on community engagement through the UK100 Local Climate Engagement Programme. An Officers Working Group (OWG) has been established to produce an Engagement Plan to be rolled out in Autumn 2022. This will involve engaging with residents in Derbyshire to co-produce a 'decarbonising housing' plan which will then be co-delivered. The engagement will help the Council to understand what support local authorities could provide to enable homeowners to retrofit their own homes. The Vision Derbyshire Living and Working Sustainably Theme has agreed to provide governance and oversight to the work.</p> <p>Opportunity through devolution seed funding of up to £9m to support retrofit in social housing – likely to be confirmed in September 2022.</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 and being incorporated into local planning activities.	 (no change)	High	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	 (no change)	High	<p>REVIEW: Some risk to achieving timetable and/or outcomes. This is due to much control and influence sitting outside of the Council.</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>As part of the Local Climate Engagement programme (see action 20) plans are in development for engaging with the supply chain to ensure sufficient skilled capacity in place to retrofit Derbyshire's homes.</p> <p>Mitigation: The Theme Lead for Low Carbon Economy, the Climate Change Team, and the Council's lead for skills and employment are increasingly fostering collaborative working with partners to accelerate this area of work. The emerging skills strategy for D2N2 devolution deal presents a significant opportunity for consolidating this work.</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, with success monitored and reported	 ( last Q)	Moderate	GOOD: On track or complete with outcomes in line with expectations Working with the district and borough councils through the UK100's Local Climate Engagement Programme, the Council will be engaging with homeowners across the county during Autumn and Winter 2022 to co-produce a 'decarbonising housing' plan which will then be co-delivered. The engagement will help the Council to understand what support local authorities could provide to enable homeowners to retrofit their own homes. A Comms Plan is also being developed to ensure key messaging across all local authorities is consistent. The Comms Plan will include wider messaging related to reducing energy use and managing energy bills. The Council is talking to other organisations have developed retrofit initiatives that deal with privately owned homes and are keen to learn from these to complement the knowledge and perspectives gained from the community engagement.
Transport, Travel and Infrastructure							
Ref	Action	Lead Theme	Target date for completion	Success Measure	Status	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	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	 (no change)	High	GOOD: On track or complete with outcomes in line with expectations This action is being progressed through various ongoing 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. The updated Local Transport Plan will include climate change considerations and new Guidance anticipated to require a quantifiable carbon


	local retail and businesses.						reduction assessment and plan for Derbyshire's transport sector. The Government has provided grant funding to assist with plan preparation and Cabinet approval is being requested to use part of this allocation for technical support to carry out the carbon quantification work.
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)	High	<p>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.</p> <p>The Bus Service Improvement Plan (BSIP) submission was approved by Cabinet on 14 October 2021 and submitted to DfT. Confirmation received that BSIP has been successful with £47m awarded to the Council, around half of what the Council requested in the bid. This reduced funding means that the scope of work has been reviewed. DfT have not yet released the funding. Work on Enhanced Bus Partnership continues. Countywide Transport Hub study complete via SYSTRA and report completed. The work incorporates considerations for connectivity to/from other modes and sustainable travel and is linked to the BSIP.</p> <p>Mitigation: Now that funding has been confirmed for the BSIP, the programme of work is being established with recruitment planned to enable implementation of projects.</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).	  last Q)	Moderate	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>Work to adopt a D2N2 Local Cycling and Walking Infrastructure Plan (LCWIP) continues and a further public engagement exercise is programmed for the autumn/ winter ahead of adoption of the final Plan. The LCWIP contains the strategic Derbyshire Key Cycle Network proposals.</p>

							<p>Key Cycle Network information being updated. White Peak Loop is a priority at the moment with feasibility studies underway. Active Travel Tranche 2 funding secured.</p> <p>Completed Local Authority capability and ambition self-assessment requested by Active Travel England ahead of a new Capability Fund bidding rounds being released in the autumn 2022.</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	GP referral scheme, Wheels to Work, Smart Rider cycle safety scheme for school children, and adult cycle training carried out successfully. DfT Capability Fund funded work completed and findings implemented. Wider delivery plan in place and being progressed.	 (no change)	Moderate	<p>GOOD: On track or complete with outcomes in line with expectations</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 (application for this pilot scheme was unsuccessful). Smart Rider cycle safety schemes for school children and adult cycle training are delivered by the Council's coordinated by the road safety team.</p> <p>The Council has secured funding from the DfT Capability Fund to undertake a range of feasibility studies supporting the Council'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.</p>
27	Continue to support the above average growth of zero emissions vehicle ownership in the country by establishing public private investment partnerships to	External Transport and Travel	2022	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities	 (no change)	High	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>EV charge point work is ongoing. 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. This project involves working with the District and Borough councils, with a series of workshops undertaken. The next stage is to complete</p>

	develop a network of mixed speed public charging and hydrogen infrastructure, which is affordable, consistent, accessible and user friendly for residents and visitors.			and role clearly defined			soft market testing with commercial suppliers to understand appetite for implementing study proposals, project would then move to appointing commercial suppliers. Currently working with a consortium, led by CENEX but also including DCC, Karshare and Co-Charger, looking at shared EV and EV Chargepoint ownership in a rural setting, concentrating on Buxton and Hope communities. As a result, £100k funding has been secured from Midlands Connect to develop and implement the project. Low Carbon Mobility Task Force (through D2N2) is looking at hydrogen fuel and technology opportunities, which the Council is involved in.
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	Delivery plan in place and being progressed in line with established targets and objectives, with DCC responsibilities and role clearly defined	 (no change)	Low	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. This action is being progressed through various ongoing 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. The Council has supported at least three district councils to include mobility hub elements in their Levelling Up Fund bids to Government – awaiting outcome. A Mobility Hub strategy is to be a focus in the autumn. Note this has strong links with the BSIP which includes funding for transport mobility hubs. 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.

Waste							
Ref	Action	Lead Theme	Target date for completion	Success Measure	Status	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	 (no change)	Moderate	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>The Council is predominantly responsible to 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 where possible collaboration, creating competitive tendering within the business environment and therefore Value for Money for stakeholders and public services. Therefore, delivery plan continues to be progressed with relevant stakeholders.</p> <p>Waste Management service are reviewing Household Waste Recycling Centres performance to understand 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	Campaign developed and rolled out, in collaboration with local authority partners, with success monitored and reported	 (no change)	Moderate	<p>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.</p> <p>The Council as Waste Disposal Authority runs campaigns and where possible does so in partnership with WCAs. The campaigns focus on Household Waste Arisings (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 and the plan is 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 concern i.e., sorting your waste campaign at the HWRCs. The Service will continue to promote through social media where possible. Videos produced for publication on WCA websites</p> <p>Mitigation: The Theme Lead for Waste is continuing to work closely with WCAs in this area.</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	 (no change)	<p>Moderate</p> <p>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.</p> <p>The sustainable procurement policy will help to ensure that, when procuring contracts, departments will 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>Mitigation: The Theme Leads for Waste and Procurement are exploring opportunities to increase capacity to deliver this action.</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	 (no change)	Low	<p>GOOD: On track or complete with outcomes in line with expectations</p> <p>The new Household Waste Recycling Centre contracts (starting in 2022) 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 has a requirement to redistribute good quality products from HWRCs. The contract is currently in the mobilisation phase and this will be discussed during this phase (contract start date 3 October 2022).</p>
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LONG-LIST ACTIONS TO BEGIN BY THE END OF 2022 – Summary

Overall performance of the Long List actions by 2025 that are likely to have the biggest positive impact on emissions reduction, and that require commencing before the end of 2022 is presented in the table below.

Most actions are scored as being **Good** (on track or complete with outcomes in line with expectations) or requiring **Review** (some risk to achieving timetable and/or outcomes).

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

Council Estate and Operations:


















- **Work with the D2N2 LEP to reduce costs and generate income through utilising the Council's assets to install energy saving and energy generating technologies** – Ongoing and strengthened engagement with relevant D2N2 groups will ensure any suitable opportunities for funding or wider support are identified.
- **Maximise opportunities for renewable energy generation on Council property in-line with the targets set in the Carbon Reduction Plan** – APSE Energy are being commissioned to review opportunities for ground mounted solar PV installations on Council land, which will lead to the development of business cases. Corporate Property is assessing the feasibility of using Council buildings for roof mounted solar PV installation as part of the wider net zero strategy for the corporate estate.















Low Carbon Economy:
















- **Secure funding from the Local Enterprise Partnership's (LEP) committed £100m of investment in local energy projects to ensure adequate funding for energy infrastructure development and resilience** – Ongoing and strengthened engagement with relevant D2N2 groups will ensure any suitable opportunities for funding or wider support are identified.

Decarbonising the Domestic Sector:

- **Identify a programme of 'shovel ready' projects and partnership frameworks to enable a more rapid and timely response to funding opportunities** – This area of work is being explored collaboratively with the District and Borough councils through the Local Climate Engagement project, the Local Authority Energy Partnership and Vision Derbyshire Climate Change Officers Group with a workplan being established.
- **Work with organisations such as the Centre for Sustainable Energy, University Partners and Midlands Energy Hub to identify packages of retrofit measures for different housing types based upon the Derbyshire House Stock Report (2019)** – This area of work is being explored collaboratively with the District and Borough councils through the Local Climate Engagement project, the Local Authority Energy Partnership and Vision Derbyshire Climate Change Officers Group with a workplan being established.

Ref	Action	Lead Theme	Status
Council Estate and Operations			
LL1	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 (i.e. not including academies) agree a target date to reduce emissions to net zero, between 2030 and 2040.	Schools	
LL3	Continue to embrace the use of new technology to create a more agile, flexible, and mobile workforce.	Various	
LL4	Review all relevant existing Derbyshire County Council policies and update, where required, to ensure they consider carbon reduction and do not contradict our Climate Change Strategy and direction.	Climate Change Team	
LL5	Review all policies and procedures of Estate and Facilities management teams to support a reduction in emissions and a sustainable approach in the Council's operations.	Property and Estate	
LL6	Include climate-conscious behaviour into Job Descriptions and Employment Terms and Conditions.	Climate Change Team	
LL7	Carry out Climate Impact Assessments on all Derbyshire County Council infrastructure projects from 2022 identifying the whole carbon lifecycle and resilience to climate change.	External Transport and Travel	
LL8	Train Derbyshire County Council procurement staff on developing sustainability criteria for procurement evaluation utilising existing green procurement frameworks from UK and EU.	Procurement	
LL9	Ensure low carbon and resilient options are embedded in scope of works for new developments for client partners.	Procurement	
LL10	Secure additional funding to develop sustainable infrastructure projects and upgrades from government grants and Derbyshire County Council capital schemes.	External Transport and Travel	
LL12	Provide information on ongoing Derbyshire County Council activities to reduce emissions, engagement events, and resources on climate action on Derbyshire County Council website.	External engagement	
LL13	Map the Council's level of influence against different levels of emitters to prioritise and focus action.	Climate Change Team	
LL14	Establish a governance model than enables swift action on climate change issues and reports on them.	Climate Change Team	
LL15	Establish a cross-departmental or wider key stakeholder group to develop the approach to working with communities on climate change action.	Climate Change Team	
LL17	Undertake revised awareness raising and behaviour change campaign to ensure all staff know how to make simple energy efficient choices in the workplace and their responsibilities for reporting any issues.	Internal Training and Engagement	
LL18	Install lighting and heating controls across the estate to improve energy efficiency performance of Derbyshire County Council's buildings.	Property and Estate	
LL19	Ensure any accommodation strategy provided to Derbyshire County Council staff considers a practical balance between home-and office-working.	Property and Estate	
LL20	Begin a programme to replace Derbyshire County Council's HGVs in 2024 with low-carbon emission vehicles combined with use of satellite navigation, awareness of driver style and use of a Vehicle Management System.	Fleet	

LL21	Work with the D2N2 LEP to reduce costs and generate income through utilising the Council's assets to install energy saving and energy generating technologies.	Property and Estate	
LL22	Maximise opportunities for renewable energy generation on Council property in-line with the targets set in the Carbon Reduction Plan.	Property and Estate	
LL23	Estimate emissions from 'Working at home'	Climate Change Team	
Low Carbon Economy			
Ref	Action	Lead Theme	Status
LL25	Strengthen Derbyshire County Council's capabilities in green finance to develop new innovative schemes, e.g. Community Municipal Investment for local energy generation.	Low Carbon Economy	
LL26	Carry out a feasibility assessment to identify the potential for an energy revolving fund for business owners to improve the energy performance of the businesses and facilities.	Low Carbon Economy	
LL27	Undertake energy demand mapping to identify priority zones for implementation of clean energy technologies and efficiency upgrades in conjunction with D2N2 LEP.	Low Carbon Economy	
LL28	Secure funding from the Local Enterprise Partnership's (LEP) committed £100m of investment in local energy projects to ensure adequate funding for energy infrastructure development and resilience.	Low Carbon Economy	
LL33	Obtain grant funding from national government to support SMEs to improve the carbon and energy consumption in operational performance.	Low Carbon Economy	
LL35	Continue investing in the Derbyshire Green Entrepreneurs Fund - national demonstrator initiative to support local and national objectives for reducing environmental impacts, driving innovation, and curating sustainable growth - capital and revenue programme.	Low Carbon Economy	
Decarbonising the Domestic Sector			
Ref	Action	Lead Theme	Status
LL36	Identify a programme of 'shovel ready' projects and partnership frameworks to enable a more rapid and timely response to funding opportunities.	TBC/ Climate Change Team	
LL37	Put in place sufficient internal resource to be able to support residents in responding quickly to government financial supports for home improvement.	TBC/ Climate Change Team	
LL38	Carry out more detailed economic and skills analysis with development partners to understand the capacity of the construction and retrofit sectors to retrofit all homes across Derbyshire to EPC rating C or above by 2035.	TBC/ Climate Change Team	
LL40	Explore the development of cross-authority Supplementary Planning Guidance on Sustainable Design and Construction to embed zero carbon practice into local development.	Planning	
LL41	Work with D2N2 Local enterprise Partnerships and Midlands Energy Hub to: - Identify opportunities for retrofitting domestic properties. - Identify private and national government funding sources for retrofitting existing residential housing stock. - Develop long term and sustainable funds for energy efficiency investments for properties.	TBC/ Climate Change Team	

LL42	Work with organisations such as the Centre for Sustainable Energy, University Partners and Midlands Energy Hub to identify packages of retrofit measures for different housing types based upon the Derbyshire House Stock Report (2019).	TBC/ Climate Change Team	
Transport, Travel and Infrastructure			
Ref	Action	Lead Theme	Status
LL43	Review core fleet requirements in each department with reference to the payload requirements.	Fleet	
LL44	Understand the current and potential future use of the core and grey fleet considering company EVs; car clubs; hire vehicles; inter-departmental sharing of core vehicles, use of VMS.	Fleet	
LL45	Facilitate sustainable travel choices for service users and staff through ensuring accessible locations of all buildings and availability of on-site charging facilities.	Property and Estate	
LL46	Develop cycling and walking network maps to increase local knowledge and confidence in using active transport routes.	External Transport and Travel	
LL47	Explore the promotion and use of low and zero emission vehicles (cars, motorbikes, e-bikes, cycling) for staff travel.	External Transport and Travel	
LL48	Install electronic real time information signs and LED lighting at all key bus stops and interchanges by 2025.	External Transport and Travel	
LL50	Share data and intelligence across regional and commercial transport providers to understand and meet customer needs better.	External Transport and Travel	
LL51	Reinvigorate travel planning and behavioural change activities linked to new housing and commercial developments to encourage greater bus use and market the services.	External Transport and Travel	
LL53	Work with Midlands Connect on the development of the area wide affordable integrated all bus operator ticketing scheme.	External Transport and Travel	
LL54	Facilitate the uptake of ULEVs amongst staff and within own fleet through the provision of fast charging infrastructure and an EV leasing scheme with incentives.	External Transport and Travel	
LL55	Work collectively to help de-carbonise transport and contribute to a D2 Low Carbon Growth agenda.	External Transport and Travel	
LL56	Understand the impact COVID-19 has had on travel and ways of working and how the positives from this can be incorporated into future ways of working.	External Transport and Travel	
LL58	Develop partnerships and seek funding for training and support to double the number of young people who can ride a bike confidently, cycle regularly and cycle to school. Encourage every school to provide an annual programme of cycle training.	External Transport and Travel	
LL59	Work with partner authorities to continue the expansion of the Plugged-in Midlands programme to ensure a regional network of charge points to support the increased uptake of electric vehicles.	External Transport and Travel	
Waste			
Ref	Action	Lead Theme	Status
LL62	In the development of the new Waste Strategy integrate circular economy principles and set targets for increased reuse and regeneration of materials and environmental services.	Waste	