

Public Document Pack



Simon Hobbs
Director of Legal and
Democratic Services
County Hall
Matlock
Derbyshire
DE4 3AG

Extension 38328
Direct Dial 01629 538328
Ask for Ivan Walters

PUBLIC

To: Members of Improvement and Scrutiny Committee - Resources

Wednesday, 26 February 2020

Dear Councillor,

Please attend a meeting of the **Improvement and Scrutiny Committee - Resources** to be held at **10.00 am** on **Thursday, 5 March 2020** in Committee Room 3, County Hall, Matlock, DE4 3AG, the agenda for which is set out below.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'S Hobbs', written over a light blue horizontal line.

Simon Hobbs
Director of Legal and Democratic Services

A G E N D A

PART I - NON-EXEMPT ITEMS

1. Apologies for Absence
To receive apologies for absence (if any)
2. Declarations of Interest
To receive declarations of interest (if any)
3. Minutes (Pages 1 - 4)

To confirm the non-exempt minutes of the meeting of the Improvement and Scrutiny Committee – Resources held on 5 December 2019

4. Public Questions (30 minute maximum in total) (Pages 5 - 6)

(Questions may be submitted to be answered by the Scrutiny Committee, or Council officers who are attending the meeting as witnesses, on any item that is within the scope of the Committee. Please see the procedure for the submission of questions at the end of this agenda)

5. Corporate Environment Policy and Carbon Reduction Plan with respect to Property Services (Pages 7 - 34)

6. LEP Scrutiny Working Group - Progress Report (Pages 35 - 36)

7. Regular Committee Update on Financial & Budgetary Position

MINUTES of a meeting of the **IMPROVEMENT AND SCRUTINY COMMITTEE – RESOURCES** held at County Hall, Matlock on 5 December 2019.

PRESENT

Councillor T A Kemp (in the Chair)

Councillors N Barker, B Bingham, J Boulton, C Moesby, J Twigg, and G Wharmby.

Apologies for absence were received from Councillor M Wall.

27/19 **MINUTES RESOLVED** that the minutes of the meeting of the Improvement and Scrutiny Committee – Resources held on 19 September 2019 be confirmed as a correct record and signed by the Chairman.

28/19 **PUBLIC QUESTIONS** There were no public questions.

29/19 **STAFF MENTAL HEALTH AND WELLBEING INITIATIVES**
James Creaghan, Public Health Lead for Mental Health provided members with an update on the progress that had been made towards the recommendations in the scrutiny review of initiatives to support staff wellbeing and good mental health.

The Committee had conducted a review of initiatives to support staff wellbeing and good mental health, and submitted the final report to Cabinet on 9 May 2019. The report recommended that the Health and Wellbeing Strategy Implementation Group develop an implementation plan specifically for mental health and that, following on from this, a Mental Health Steering Group should be established to oversee its sustained delivery. The report also recommended that the benefits and feasibility of a series of initiatives (outlined by the Public Health Lead for Mental Health at a working group meeting in February 2019) be explored.

Appendix A to the report set out the progress that had been made towards delivering (or assessing the feasibility of) the initiatives specified in the scrutiny review.

Members were given the opportunity to make comments or ask questions which were duly noted or answered.

RESOLVED (1) to note the progress made towards implementing the recommendations, made by this Committee, in the review of initiatives to support staff wellbeing and good mental health;

(2) that following the recent consultation on developing a DCC Mental Health Policy, the outcomes be circulated to members prior to its approval at the ACOS Committee in February 2020; and

(3) to recommend that the Member Development Working Group be asked to look at a bespoke mental health training event for all elected Members.

30/19 DELIVERING THE CLIMATE AND CARBON REDUCTION MANIFESTO It was noted that on 21 November, Cabinet had approved the Council's draft Carbon Reduction Plan and the updated Corporate Environment Policy which supported the delivery of the Council's Climate and Carbon Reduction Manifesto;

D Ludlam, Policy Officer, DCC attended the meeting and gave a brief presentation on tackling climate change in Derbyshire

Details were given of the changing global temperature, along with the 2100 warming projections in relation to emissions and expected warming based on pledges and current policies.

Actual and projected emissions from DCC estate and operations were also provided.

In terms of the way forward it was felt that there must be widespread engagement of local communities, business & commerce, the education sector and other public organisations. There was a climate summit planned for March 2020.

Members were given the opportunity to make comments or ask questions which were duly noted or answered.

The general consensus was that there needed to be a new area of collaboration between DCC, Derby City and all District/ Boroughs and that a united front be taken in Derbyshire as a whole with a clear need to identify what resources could be committed to support this vital area of work.

(The Chairman asked members to note, that although the Appendices to the report had been marked as restricted in error, they were publicly available)

RESOLVED to note the update report and that reports be brought back to committee on a regular basis.

31/19 D2N2 LEP SCRUTINY WORKING GROUP Members were reminded that at last meeting on 19 September 2019 it was agreed that a

working group would be established to scrutinise the activities of the D2N2 LEP. It was also agreed that the meetings would be open to the public and that scrutiny chairs from D2N2 councils would be invited to take part in the process. Subsequently, Bassetlaw District Council and Chesterfield Borough Council had indicated that they would like to be engaged in the scrutiny arrangements.

At the first meeting of the working group which took place on 2 December 2019 the focus was on “Scheme delivery” and the following witnesses had attended:

- Sajeeda Rose, Chief Executive, D2N2 LEP
- Tom Goshawk, Head of Capital Programmes, D2N2 LEP
- Sarah Wainwright, Senior Accountant, Accountable Body

Following this first meeting (and subsequent meetings) a progress report would be presented to the next available meeting of the full Committee.

RESOLVED to note the establishment of the LEP Scrutiny Working Group.

32/19 **REGULAR COMMITTEE UPDATE ON THE FINANCIAL AND BUDGETARY POSITION** Peter Handford, Director of Finance and ICT attended the meeting to provide an update on the financial position. The following items were highlighted:

The full Audit Certificate in relation to the completion of accounts for 2018/19 had now been received.

In relation to 2019/20 spend, all portfolios were showing an underspend with the exception of Children’s Services which had a projected overspend of £7m at the end of this financial year.

The middle of December would see the formal issue of the Financial Resilience Index, which was produced by CIPFA.

Guidance on the Financial Management Code was also expected soon from CIPFA, and would give the opportunity for the authority to compare against the code in terms of areas of good practice and where improvements could be made.

In terms of the 2021 Budget preparations, the public consultation exercise had recently closed and the results were currently being collated. The Trade Unions had also been consulted and had invited the Director of Finance to meet with them to discuss the budget in more detail.

The statutory Business Ratepayers consultation would take place early in the New Year and work was currently taking place as how best to engage with consultees.

Budget pressures were currently being identified by Departments and were currently being considered by Executive Directors. A number of emerging topics were being addressed as part of the process.

The forthcoming general election had meant that a number of key announcements had been delayed, with the fine detail on the spending review announced in September now not expected until the New Year.

It was noted however, that everything was on track to meet the required deadlines with the budget being considered at Cabinet on 23 January with formal approval at Council on 3 February 2020.

Members were given the opportunity to make comments or ask questions which were duly noted or answered.

The Chairman thanked Mr Handford for his update.

RESOLVED to note the update on the financial and budgetary positions.

Procedure for Public Questions at Improvement and Scrutiny Committee meetings

Members of the public who are on the Derbyshire County Council register of electors, or are Derbyshire County Council tax payers or non-domestic tax payers, may ask questions of the Improvement and Scrutiny Committees, or witnesses who are attending the meeting of the Committee. The maximum period of time for questions by the public at a Committee meeting shall be 30 minutes in total.

Order of Questions

Questions will be asked in the order they were received in accordance with the Notice of Questions requirements, except that the Chairman may group together similar questions.

Notice of Questions

A question may only be asked if notice has been given by delivering it in writing or by email to the Director of Legal Services no later than 12noon three working days before the Committee meeting (i.e. 12 noon on a Wednesday when the Committee meets on the following Monday). The notice must give the name and address of the questioner and the name of the person to whom the question is to be put.

Questions may be emailed to democratic.services@derbyshire.gov.uk

Number of Questions

At any one meeting no person may submit more than one question, and no more than one such question may be asked on behalf of one organisation about a single topic.

Scope of Questions

The Director of Legal Services may reject a question if it:

- Exceeds 200 words in length;
- is not about a matter for which the Committee has a responsibility, or does not affect Derbyshire;
- is defamatory, frivolous or offensive;
- is substantially the same as a question which has been put at a meeting of the Committee in the past six months; or
- requires the disclosure of confidential or exempt information.

Submitting Questions at the Meeting

Questions received by the deadline (see **Notice of Question** section above) will be shared with the respondent with the request for a written response to be provided by 5pm on the last working day before the meeting (i.e. 5pm on Friday before the meeting on Monday). A schedule of questions and responses will be produced and made available 30 minutes prior to the meeting (from Democratic Services Officers in the meeting room). It will not be necessary for the questions and responses to be read out at the meeting, however, the Chairman will refer to the questions and responses and invite each questioner to put forward a supplementary question.

Supplementary Question

Anyone who has put a question to the meeting may also put one supplementary question without notice to the person who has replied to his/her original question. A supplementary question must arise directly out of the original question or the reply. The Chairman may reject a supplementary question on any of the grounds detailed in the **Scope of Questions** section above.

Written Answers

The time allocated for questions by the public at each meeting will be 30 minutes. This period may be extended at the discretion of the Chairman. Any questions not answered at the end of the time allocated for questions by the public will be answered in writing. Any question that cannot be dealt with during public question time because of the non-attendance of the person to whom it was to be put, will be dealt with by a written answer.

DERBYSHIRE COUNTY COUNCIL**IMPROVEMENT AND SCRUTINY COMMITTEE - RESOURCES****5 March 2020****Report of the Executive Director for Commissioning, Communities & Policy****CORPORATE ENVIRONMENT POLICY AND CARBON REDUCTION PLAN WITH RESPECT TO PROPERTY SERVICES****1. Purpose of the Report**

To invite the Improvement and Scrutiny Committee – Resources, to consider the Council property related elements of the Carbon Reduction Plan.

2. Information and Analysis

On 5 December 2019 this Committee received a presentation from Denise Ludlam (The Council's Climate Change Officer) entitled Delivering the Climate and Carbon Reduction Manifesto. The presentation described the Derbyshire Environment and Climate Change Framework, which sets out the approach the Council and district and borough councils will take to tackle the broader climate change agenda. The presentation also introduced the recently developed Carbon Reduction Plan which aims to reduce greenhouse gas emissions from the Council's own estate and operations. A copy of the Carbon Reduction Plan and the revised Corporate Environment Policy that was approved by Cabinet, on 21 November 2019, is attached at Appendix 1.

Kathryn Sowerby-Warrington (Carbon & Energy Manager) will attend the March meeting of this Committee to present in more detail the Property Services elements of the Carbon Reduction Plan. She will also feedback to Members, lessons learned from the "Tackling Climate Change Together" event that will have taken place at County Hall on 3 March, two days prior to the Committee meeting.

3. Officer's Recommendation

That the Improvement and Scrutiny Committee – Resources, receive the presentation and identify which of the property related elements of the Carbon Reduction Plan Members would like to consider in depth and include on the Committee's work programme.

Emma Alexander
Executive Director – Commissioning, Communities & Policy

DERBYSHIRE COUNTY COUNCIL**CABINET****21 November 2019****Report of the Executive Director Economy, Environment and Transport****CORPORATE ENVIRONMENT POLICY AND CARBON REDUCTION PLAN
(Economic Development and Regeneration)****1. Purpose of the report**

To seek approval for the Council's draft Carbon Reduction Plan and the updated Corporate Environment Policy which support the delivery of the Council's Climate and Carbon Reduction Manifesto.

2. Information and analysis

The Council has set out its commitment to tackling climate change in its Climate and Carbon Reduction Manifesto which was published on 13 May 2019. To deliver the Manifesto, the Council committed to lead by example and bring together local people, voluntary groups, other councils and businesses to take action together. As part of the Manifesto, the Council also pledged to produce further targets and objectives for carbon reduction within six months.

Over the last six months the Council has been working across the authority and with stakeholders to further develop and deliver commitments set out in the Manifesto. An update on overall progress and a new Derbyshire Environment and Climate Change Framework, which sets out the approach the Council and district and borough councils will take to tackle the broader climate change agenda are the subject of a separate report to Cabinet.

2.1 Draft Carbon Reduction Plan

To ensure the Council plays its part in reducing harmful emissions from its own estate and operations, work has been taking place to develop a new Carbon Reduction Plan. The aim of the Plan, which is attached at Appendix A for approval, is to reduce greenhouse gas emissions, including carbon emissions, from the Council's own estate and operations with the aim of having net zero greenhouse gas (GHG) emissions by 2032. It sets out GHG targets and details of how these targets could be achieved. The Plan is a vital component in supporting the Council Manifesto commitment to lead by example.

The Council has already made good progress in reducing greenhouse gas emissions from its own estate and operations. Latest provisional figures show that

the Council has reduced emissions from a baseline of 42,966 tonnes of carbon dioxide and equivalent greenhouse gases (CO₂e) in 2009/10 to 22,059 in 2018/19. This represents a reduction of 48% from the baseline.

Whilst good progress has been made, further actions will be required to ensure the Council achieves the target of net zero GHG emissions by 2032. The draft Plan sets out proposed actions and the Council's proposed approach moving forward. Key actions include:

- Continuing property rationalisation so that the Council owns fewer buildings and uses those that remain more efficiently
- Further promoting and supporting employee behaviour change to reduce business travel and the use of energy in Council buildings
- Continuing to implement energy efficiency measures in Council buildings, such as insulating pipework and installing lighting controls
- Continuing to reduce emissions from street lighting by replacing sodium bulbs with LED lighting, and implementing part-night lighting and night-time dimming
- Further exploring opportunities for small and large scale renewable energy generation on the Council's estate
- Electrifying the fleet of vehicles owned by the Council and de-carbonising Heavy Goods Vehicles
- Increasing the number of electric pool cars so that employees use these for business travel rather than their own cars.

Work has taken place to estimate the likely reduction in emissions arising from these and other actions set out in the draft Plan. This has enabled projected emissions figures to be produced to assist the Council in developing a roadmap and timetable for achieving net zero greenhouse gas emissions by 2032. Projections suggest that emissions could be reduced by 93% to 2,760 tonnes CO₂e by 2032. By offsetting the remaining emissions through carbon capture and storage by trees, the Council could become 'greenhouse gas neutral' by 2032.

The Carbon Reduction Plan will be regularly reviewed and updated to monitor and evaluate progress and to take account of new technologies and developments as they become available. Data will be collated, analysed and monitored through the corporate performance management system. It is recommended that an annual report on progress will be made to Cabinet.

2.2 Corporate Environment Policy

The Carbon Reduction Plan supports the wider Corporate Environment Policy, which sets out the Council's commitment to managing the environmental impacts of its operations and improving its environmental performance. The Policy covers water use, reducing waste, minimising pollution, protecting the natural and built environment and using the Council's purchasing power to reduce negative environmental impacts and improve the environmental standards of the products and services the Council purchases. The Policy has been updated to reflect the new

targets set out in the Carbon Reduction Plan and is now attached at Appendix B for approval.

The Environment Policy will be supported through two further policies which are currently in development. Guidance on water and energy use and management, for staff, will be provided through a Corporate Utilities Policy. In addition, a Corporate Heating, Ventilation and Cooling Policy is being developed to provide guidance on this area of work.

2.3 Moving forward

Work to reduce greenhouse gas emissions from the Council estate and operations is being co-ordinated by the Council's Environmental Sustainability Group. Promotion of the Environment Policy and the Carbon Reduction Plan within the Council and to contractors will be taking place to ensure all employees and contractors understand the commitments the Council has made and the contribution they can make. Training is currently available through an on-line Sustainability training course and through training provided by the Local Authority Energy Partnership (LAEP) of which the Council is a partner. The LAEP provide a full-day 'Carbon Literacy' training programme and a half-day 'Pathfinder' training programme. Through the provision of a training and development plan, it is recommended that work take place to ensure opportunities are available for Member development on the climate change agenda and that staff are encouraged to undertake climate change training as appropriate.

3. Considerations

In preparing this report the relevance of the following factors has been considered: legal, prevention of crime and disorder, equality and diversity and human resources considerations.

4. Financial Considerations

Feasibility and businesses cases will be produced where appropriate for the actions in the plan. These will include identifying sources of funding where needed. It is expected that some actions, for instance, rationalisation of property and use of LED lighting will have financial benefits.

5. Environmental Considerations

The plan supports the Council's commitment to tackle climate change as set out in its Climate and Carbon Reduction Manifesto and also supports the wider Corporate Environment Policy which sets out the Council's commitment to managing the environmental impacts of its operations and improving its environmental performance. The main focus of the plan is how the Council can play its part in reducing harmful emissions, including carbon emissions, from its own estate and operations. The plan does not include key risks to Council services from climate

change or how it might respond in future to a changing climate, as this will be the subject of a future report.

6. Health

Actions outlined in the plan are likely to have positive benefits for health and wellbeing through improved air quality and increased physical activity from people walking and cycling more.

7. Property considerations

The work described here includes significant changes to the Council's property portfolio. This is described in detail in the Council's Asset Management Framework approved by Council in March 2019 which sets out how the effective use of land and property assets will support the delivery of the Council's strategic goals, including its ambition to become an Enterprising Council.

8. Transport Considerations

The plan outlines measures to further reduce carbon emissions from its fleet of vehicles, including measures to electrify vehicles owned by the Council, de-carbonise Heavy Goods Vehicles and increase the number of electric pool cars so that employees use these for business travel rather than their own cars.

9. Background papers

[Derbyshire Climate and Carbon Reduction Manifesto - May 2019](#)
[Report to Cabinet March 2019 - Property Asset Management Framework](#)

10. Key Decision – No

11. Call – in

Is it required that call-in be waived in respect of the decisions proposed in the report? No

12. Officer's Recommendations

It is recommended that Cabinet:

1. Note progress to date in reducing greenhouse gas emissions from the Council estate and operations.
2. Approve the Council's draft Carbon Reduction Plan.
3. Adopt the aim to have net zero greenhouse gas emissions by 2032 as set out in the Plan.
4. Approve the updated Corporate Environmental Policy.

5. Approve proposals to put in place a training and development plan for officers and Members.
6. Receive an annual report on further progress in reducing greenhouse gas emissions from the Council estate and operations in November 2019.

Mike Ashworth
Executive Director - Economy, Transport, Environment

Derbyshire County Council Carbon Reduction Plan

October 2019

Contents

1.	Introduction	.....	3
2.	Context	.....	3
3.	Aim	.....	4
4.	Key actions to become carbon neutral	.....	5
5.	Reducing emissions from Council property	.....	8
6.	Reducing emissions from streetlighting	.....	12
7.	Reducing emissions from Council-owned fleet	.....	13
8.	Reducing emissions from the grey fleet	.....	15
9.	Other Council emissions	.....	16
10.	Carbon sequestration	.....	16
11.	Moving forwards	.....	16
12.	Appendices	.....	18

1 Introduction

Derbyshire County Council remains committed to putting the principles of sustainable development into action in everything it does. This is so that development meets the needs of today without compromising the ability of future generations to meet their own.

The Council is increasingly determined to have a positive effect on the environment and to avoid any unintended consequences through its actions. The Council has revised its corporate Environment Policy to strengthen its environmental commitments, no more so than in reducing the Council's impact on climate change.

The Council is now setting new environment and climate change targets for the future. Wider environmental commitments were set out in a series of pledges in the Council's Climate and Carbon Reduction Manifesto in May 2019, which place the Council at the forefront of climate change action. The Council will lead the way on tackling greenhouse gas emissions by:

- Using its influence and role as a community leader to work with partners, businesses and communities to tackle climate change through a common framework for action across the county.
- Getting its own house in order by reducing the emissions from its own estate and operations to net zero greenhouse gas emissions.

This Plan sets out the actions the Council will undertake to reduce emissions from its own operations to net zero.

2 Context

The Intergovernmental Panel on Climate Change (IPCC) Special Report 'Global Warming of 1.5°C' (2018) is clear on the causes and the effects of climate change on the world. The report states that the primary driver of long term global warming is carbon dioxide emissions (CO₂) and that global temperatures relate to increased cumulative CO₂ emissions from human activity, primarily from energy use. This will result in significant loss of ecosystems and biodiversity along with increased impacts on human health and the economy. The world is already around 1°C warmer than preindustrial times and is currently on track to reach between 3-4°C global temperature increase by 2100 if no action is taken.

The United Nations Framework Convention on Climate Change (UNFCCC) Paris Agreement (2015), to which the UK is a signatory, aims to:

“strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5°C.”

The UK will deliver on the Paris Agreement by vigorously pursuing a target to reduce greenhouse gas (GHG) emissions to ‘net zero’ by 2050, ending the UK’s contribution to global warming within 31 years. This was enshrined in law in June 2019 through amendments to the 2050 GHG emissions reduction target in the Climate Change Act 2008 from at least 80% to at least 100%, otherwise known as ‘net zero’.

In 2009, the Council responded to the Act by setting targets to reduce the emissions produced from its own estate and operations. GHG emissions have reduced by 48% between 2009/10 and 2018/19.

3 Aim

The aim of the Council’s Carbon Reduction Plan is to:

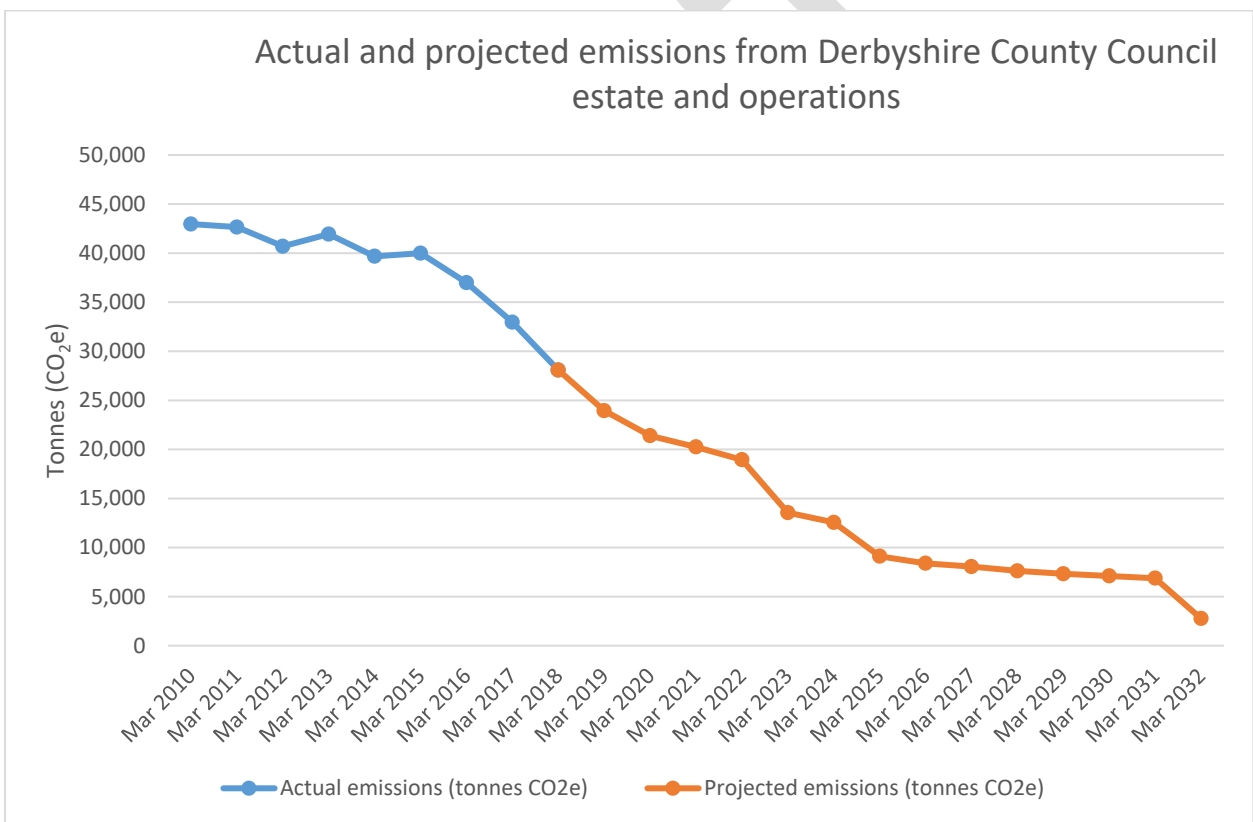
Reduce greenhouse gas emissions from its own estate and operations with the aim of having net zero greenhouse gas emissions by 2032

In May 2019, the Council pledged to set out a plan and timetable to make Derbyshire County Council ‘carbon neutral’. This Plan lays out proposals to enable the Council to have net zero GHG emissions by 2032. It sets out GHG targets and details of how those targets could be achieved.

Projections suggest that that emissions could be reduced by 93% by 2031/32. By offsetting the remaining emissions through carbon capture and storage by trees, the Council could become ‘greenhouse gas neutral’ by 2032. Interim GHG reduction targets are given in the table below.

Year	Council emissions (tonnes CO ₂ e) ¹	Emissions reduction target (against a 2009-10 baseline)
2009/10	42,965	-
2021/22	18,944	55%
2026/27	8,056	81%
2031/32	2,760	93%

The graph below shows actual and projected emissions for the Council on an annual basis. Details of what is included in the GHG emissions data and how the emissions resulting from the Council operations and estate are calculated can be found at Appendix A.



4 Key actions to become carbon neutral

The Council records GHG emissions from its own estate and operations from property, streetlighting, core and grey fleets.

Emissions from property will be reduced through a combination of property rationalisation, behaviour change, energy efficiency measures, generation of

¹ CO₂e = carbon dioxide and equivalent greenhouse gases

renewable electricity on Council property and purchasing renewable energy generated elsewhere.

Emissions from streetlighting will be reduced through a programme of LED bulb replacement, part-night lighting and night-dimming and through the purchase of renewable electricity generated elsewhere.

Emissions from core fleet (vehicles owned by the Council) and grey fleet (vehicles owned by employees but used for business travel) will be reduced through the electrification of cars and vans, behaviour change and de-carbonisation of HGVs.

The estimated reduction in emissions from these actions are summarised at key milestone dates in the following table. The dates shown coincide with the end of the UK carbon budget periods set by the government. Some reduction in emissions from the Council estate will occur due to external factors. The amount of renewable electricity generated in the UK and fed into the national grid is increasing each year thus reducing the emissions from electricity used by the Council. This is known as 'the greening of the grid'. Technological developments increase the efficiency of vehicles each year thus reducing emissions for each mile driven. This is referred to as 'with improved vehicle efficiency' in the table below.

DRAFT

Summary of key actions to become carbon neutral

Source of emissions	Key Action	Emissions (tonnes CO ₂ e)				
		Baseline emissions (2009/10)	Actual emissions (2018/19)	Projected milestone emissions (2021/22)	Projected milestone emissions (2026/27)	Projected emissions (2031/32)
Property	Property rationalisation			-157	-488	
	Behaviour change			-638		
	Low cost energy efficiency				-950	
	Deep retrofit				-1,640	
	Microgeneration				-42	
	Large scale renewables				-1,545	
	Purchase renewable electricity					-137
	Purchase renewable gas					-3,894
Sub-total (with greening of the grid)		15,666	10,023	9,800	4,703	664
Streetlighting	LED, part-night & dimming programmes			-2,526		
	Purchase renewable electricity				-4,035	
Sub-total (with greening of the grid)		18,121	6,617	4,035	0	0
Core fleet	Increase electric pool cars			+32	+108	
	Electrification of vans			-60	-300	-300
	Decarbonisation of HGV >17t				-120	-200
	Decarbonisation of HGV 7.5-17t				-40	
	Decarbonisation of HGV 3.5-7.5t				-72	-120
Sub-total (with improved vehicle efficiency)		4,589	2,564	2,595	2,122	1,487
Grey fleet	Reduction in mileage			-250	-369	-132
	Increased use of electric pool cars			-120	-400	
	Electrification of grey fleet				-500	-500
Sub-total (with improved vehicle efficiency)		4,589	2,854	2,514	1,232	609
Grand Total		42,966	22,059	18,944	8,056	2,760
% reduction		-	48%	55%	81%	93%

5 Reducing emissions from Council property

Although GHG emissions resulting from heating and powering the Council's buildings (excluding schools) have reduced by 21% between 2010 (15,666 tCO₂e) and 2018 (12,322 tCO₂e), they account for around 44% of the overall emissions from the Council's operations. As such, for the Council to achieve net zero GHG emissions, a concerted effort is required to both reduce energy consumption through improved efficiencies and to increase the amount of renewable energy generation.

In March 2019, Cabinet approved the Council's new Asset Management Framework (AMF), which sets out how the effective use of land and property assets will support the delivery of the Council's strategic goals, including its ambition to become an Enterprising Council. The AMF sets out 5 property asset management objectives and how they will contribute to the Council's net zero GHG ambition.

The AMF also identifies the need for a number of procedures, policies and protocols to deliver strategic property asset management, ensuring consistency and the optimum use of land and property assets, many of which are currently in development. These policies will also ensure that energy related matters are taken in to consideration within the life cycle of the property, from its acquisition to its disposal.

5.1 Key actions to reduce emissions from Council property

Key actions to reduce emissions from Council property between 2019 and 2032 are given below.

Property rationalisation

Key actions	Continuing to dispose of buildings which have been identified as surplus or are currently vacant and awaiting disposal
Emissions reduction	645 tCO ₂ e
Notes	<ul style="list-style-type: none"> • Further properties may be identified as service reviews are undertaken and property needs are identified in line with the AMF and resulting protocols • Some uncertainty remains regarding ownership of buildings in the future resulting in challenges for decision making about energy efficiency measures • The acquisition of new buildings is not factored into calculations

Behaviour Change

Key actions	<ul style="list-style-type: none"> • Deliver an extensive programme of awareness raising and behaviour change to all employees and building users
Emissions reduction	638 tCO ₂ e
Notes	<ul style="list-style-type: none"> • Previous initiatives include an 'Eco-champion training' programme; production and distribution of environmental mini-guides and carbon reduction training • Full and half day training is being provided by the Local Authority Energy Partnership of which the Council is a partner with the potential to cut emissions between 5-15% per person • A report by Npower and The Centre for Economics and Business Research on "Carbon Psychology" suggests that analysing employee behaviour and using a scientific model to combine psychology and behavioural economics to provide a bespoke strategy can bring about behavioural change in the organisation to reduce emissions by between 6-10%

Deep retrofit

Key actions	Deep retrofit of buildings taking a whole building approach using a range of energy conservation measures, materials and construction methods to bring about an overall improvement in the building's energy performance
Emissions reduction	1,640 tCO ₂ e
Notes	<ul style="list-style-type: none"> • Based on the Council's worst energy performing buildings GHG emissions could be reduced by 30% • This figure is a blanket estimate across the highest energy consuming buildings and any projects would be subject to further building energy analysis, feasibility and business cases

Low cost energy efficiency

Key actions	Insulating pipework, setting and checking boiler controls, installing lighting controls and installing loft insulation
Emissions reduction	950 tCO ₂ e
Notes	<ul style="list-style-type: none">This figure is a blanket estimate across the whole operational estate and any projects would be subject to further feasibility and business cases

Renewable energy from microgeneration sources

Key actions	Quadruple the amount of installed microgeneration installed on the Council's operational buildings
Emissions reduction	42 tCO ₂ e
Notes	<ul style="list-style-type: none">The Council currently has 54kWp of installed capacity from small-scale energy generation using solar and wind power generating around 50,145kWh each year

Renewable energy from large scale energy generation sources

Key actions	Install 8.1MW of solar photovoltaic panels on Council owned sites generating around 6.98GWh of electricity
Emissions reduction	1,545 tCO ₂ e
Notes	<ul style="list-style-type: none">The Council has previously undertaken a scoping study to identify Council owned sites that may have been suitable for sub 5MW ground mounted solar PV systems. At that time, 2 sites, which had the capacity for a 3.7MW and 4.4MW, were deemed suitable.Identified schemes did not proceed as the Government announced the early closure of the subsidiesThe figures quoted above provide an example of what levels of energy can be generated and the associated reduction in GHG emissionsRevenue funding is being sought to procure a consultant to undertake feasibility and initial business case development of micro and large scale renewable energy projects

Procurement of renewable electricity

Key actions	Procure a renewable electricity tariff through the Council's utility supply contract
Emissions reduction	Varies according to how much renewable electricity is purchased
Notes	<ul style="list-style-type: none"> • Renewable Energy Guarantees Origin certificates (REGOs) allow electricity suppliers to prove to their final customers that a given share of energy was produced from renewable sources. One REGO certificate is issued for each MWh of renewable output to generators of renewable electricity • The cost of purchasing the REGO is £0.30 per MWh. Based on 2017/18 consumption, this would add a further £4k onto the total electricity spend, which in 2017/18 was £1.5M • As REGOs do not reduce energy consumption, it is not recommended that they are purchased as a way in which to become a nearly zero carbon organisation. However, REGOs could be purchased once all other energy efficient and renewable energy generation projects have been undertaken • Once other measures have been undertaken, the Council would need to procure 729MWh of electricity at an additional cost of £218 for the REGOs

Procurement of Green Gas

Key actions	Procure green gas through the Council's gas supply contract
Emissions reduction	Varies according to how much green gas is purchased
Notes	<ul style="list-style-type: none"> • There is limited availability of green gas • Based on 2017/18 consumption, the procurement of green gas would have incurred an additional £298k on the £888k gas bill • Should green gas be purchased once energy efficiency measures have been installed as outline above, then the additional annual cost could be in the region of £181k

Greening of the grid

Key actions	No action required by the Council
Emissions reduction	112t/CO ₂ e by 2026 (if proposed measures are undertaken)
Notes	<ul style="list-style-type: none">It is suggested by industry that the carbon intensity of the electricity grid will be half of current levels by 2030

The outline projects highlighted above give an indication of the initiatives that should be taken forward to work towards carbon neutrality across the Council's estate. These measures could reduce property related emissions from 15,666 tCO₂e in 2009/10 to 664 tCO₂e in 2031/32 with a 37% reduction by 2022; 70% by 2027 and 95% by 2032. The majority of those savings come from renewable electricity projects and greening of grid electricity.

These proposals assume that current sources of energy for heating (gas, oil and solid fuel) remain the same. To further reduce emissions, alternatives to gas, oil and solid fuel need to be sought for the Council's operational buildings. A feasibility study looking at the re-heat of County Hall is to be undertaken and will include renewable energy systems. The findings of this will help inform the future viability of renewable heat systems in the Council's estate.

6 Reducing emissions from streetlighting

Emissions from streetlighting have reduced by 63.5% between 2009/10 and 2018/19 and account for approximately a third of the Council's total emissions. The reductions have been achieved through a programme which replaces sodium bulbs with LED lighting, part-night lighting and night-time dimming. This programme is due to be completed by 2022, after which time there are no further planned reductions other than the greening of the grid. Indeed, electricity use for streetlighting may begin to increase after this time as new developments will require new streetlighting.

6.1 Key actions to reduce emissions from streetlighting

Key actions to reduce emissions from streetlighting between 2019 and 2032 are given below.

Completion of LED, part-night and night-dimming programme

Key actions	Completion of LED, part-night and night-dimming programme
Emissions reduction	2,526 tCO ₂ e
Notes	<ul style="list-style-type: none">• This programme is due for completion by March 2022

Procurement of renewable electricity

Key actions	Procurement of renewable electricity supply
Emissions reduction	4,091 tCO ₂ e
Notes	<ul style="list-style-type: none">• There are no further technological improvements currently available to reduce GHG emissions once the LED programme is complete• This measure would be subject to a feasibility and business case

7 Reducing emissions from Council-owned fleet

Emissions from the Council's fleet of vehicles fell from 4,589 tonnes of CO₂e in 2010 to 2,662 tonnes CO₂e in 2018, a reduction of 42%. In 2018, the core fleet consisted of:

- 263 medium/large diesel vans
- 68 HGV rigid vehicles (>3.5-7.5tonnes)
- 5 HGV rigid vehicles (>7.5-17tonnes)
- 58 HGV rigid vehicles (>17tonnes)

7.1 Key actions to reduce emissions from Council-owned fleet

Key actions to reduce emissions from Council-owned fleet between 2019 and 2032 are given below.

Heavy Goods Vehicles replacement programme

Key actions	Begin a programme to replace 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
Emissions reduction	64 tCO ₂ e per year
Notes	<ul style="list-style-type: none"> • Low emission HGV vehicles are still not widely available although several councils are trialling different alternatives powered by biofuel, hydrogen or electricity • It is anticipated that the availability, reliability and effectiveness of these vehicles will improve sufficiently that the Council will begin a replacement programme in 2024 following trials of different vehicles subject to development of a feasibility and business case • The Council currently keeps HGVs for ten years and these are replaced on a rolling programme

Light Goods Vehicles replacement programme

Key actions	Begin a programme to replace 20 diesel vans each year with electric vans, following trials of different vehicles, in 2021
Emissions reduction	60 tCO ₂ e per year
Notes	<ul style="list-style-type: none"> • The motor industry predicts that electric light goods vehicles will play an increasingly important role in the UK van market over the next few years with a large increase in the choice of vehicle available as issues regarding range-anxiety, charging and weight are overcome • A large increase in the number of electric light goods vehicles would require significant investment in the charging infrastructure at Council depots as well as 'home-charging' of council-owned vehicles

Introduction of electric pool cars

Key actions	Increase the number of electric pool cars to replace some of the grey fleet mileage
Emissions reduction	73 tCO ₂ e per year
Notes	<ul style="list-style-type: none">• Seven electric vehicles are planned for 2019/20 with more planned for the following financial year• The extent to which electric pool cars are to replace the grey fleet is subject to further consideration

8 Reducing emissions from the grey fleet

The grey fleet is the vehicles owned by employees but used for business travel. Grey fleet mileage fell by 22.3% between 2009-10 and 2018-19. However, during this period emissions fell by 36% due to the increased efficiency of vehicles. The technological improvements in vehicles are set to continue alongside the growth in electric car ownership. By 2040, no new fossil fuel cars or vans will be sold in the UK with most of the sales being replaced by sales in electric vehicles.

Electrification of grey fleet

Key actions	A gradual increase in the numbers of electric vehicles owned by staff and used for business travel
Emissions reduction	100 tCO ₂ e per year
Notes	<ul style="list-style-type: none">• By 2022-23 it is anticipated that at least 5% of mileage year on year will switch from fossil fuel to electric vehicles

Reduction in grey fleet mileage

Key actions	A reduction in mileage of 3% each year for ten years through an awareness and behaviour change programme e.g. through increasing use of video-conferencing to reduce the need to travel
Emissions reduction	751 tCO ₂ e over ten years
Notes	<ul style="list-style-type: none">• A behaviour change programme would need to be undertaken to achieve this

9 Other Council emissions

Emissions from schools within the Council portfolio are not included in the data presented above, although the data is collected. When schools leave the Council portfolio to become Academies, their emissions are no longer the responsibility of the Council. This can lead to a false impression that emissions from schools are reducing more rapidly than the reality. Initial modelling of the data to 2032 indicates a gradual reduction in emissions from schools. Further modelling will be undertaken and a separate carbon reduction plan for schools will be developed.

The Council currently measures the key sources of emissions from its estate and operations but recognises that there are also less significant sources of emissions which are not currently measured (at Appendix A). It will become increasingly important to address emissions from sources other than property, streetlighting and fleet. Where possible remaining emissions will be quantified and action plans developed to reduce them. Actions are already being taken such as the electrification of equipment, e.g. lawnmowers, and procurement which takes sustainability into account.

10 Carbon sequestration

Projections indicate that by 2032 it is feasible for the Council to reduce its emissions by 93% with remaining emissions of 2,760 tonnes CO₂e/year. Future technological solutions and funding sources may allow for these remaining emissions to be avoided. However, in the instance that they cannot be avoided it will be necessary to sequester or 'store' the equivalent amount of carbon. It is recommended that any carbon sequestration used in the calculations of emissions should be on the Council's estate.

11 Moving forward

Technological advances, behaviour changes, societal norms and our understanding of climate change and GHG emissions will change throughout the period of this plan. An annual review of the Council's emissions and future projections will therefore be undertaken to ensure the plan remains up to date and fit for purpose.

All actions are subject to further feasibility studies and business cases and individual detailed actions plans will be drawn up for each action.

Whilst individual actions will be undertaken by all departments, the monitoring of emissions will be overseen by the Environmental Sustainability Group. An annual report, summarising actions undertaken and the impact on emissions will be produced in the autumn of each year.

DRAFT

Appendix A

1. **Terminology:** 'Carbon neutral' is considered a synonym for 'net zero carbon'. Any carbon offsetting or carbon sequestration included in the calculation of emissions will take place within the county.
2. **Carbon Neutral Definition:** In order to mitigate the effects of climate change, CO₂ emissions need to be reduced to net zero. Carbon neutrality is achieved when emissions produced are offset by the amount of emissions taken from the atmosphere or by eliminating carbon emissions altogether.
3. **Net Zero Greenhouse Gas (GHG) emissions definition:** this can be confused with net zero carbon emissions, but when used accurately, includes all GHG emissions not just carbon dioxide. This is the same concept as net zero carbon emissions but conveys a net zero emissions target for CO₂ and all non-CO₂ gases.
4. In this instance carbon dioxide and equivalent greenhouse gases include the following greenhouse gases as covered by the Kyoto Protocol: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆) and nitrogen trifluoride (NF₃).
5. Council activities are identified as Scope 1, 2 or 3 according to the UK Government's definition²:
 - 5.1 Scope 1 are direct emissions from those activities owned or controlled by the Council, e.g. emissions from solid fuel burners.
 - 5.2 Scope 2 emissions or 'energy indirect emissions' are those released into the atmosphere that are associated with the Council's consumption of electricity, heat, steam and cooling. These indirect emissions are a consequence of the Council's energy use but occur at sources it does not own or control.
 - 5.3 Scope 3 or other indirect emissions are a consequence of the Council's actions that occur at sources it does not control and which are not classed as Scope 2 emissions, e.g. grey fleet travel, waste disposal, materials or fuels the Council purchases.
6. The GHG emissions from the Council's estate and operations will include emissions from:
 - 6.1 Energy used in street and road lighting (excluding traffic lights)

2

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/726911/2018_methodology_paper_FINAL_v01-00.pdf

- 6.2 Energy used to power and heat our property and buildings (via electricity and gas metering and billing and from oil and solid fuel bills)
 - 6.3 Core fleet (vehicles owned by the Council) using miles travelled
 - 6.4 Grey fleet (vehicles owned by staff and used for business) using mileage claims
 - 6.5 Miles travelled by rail
7. GHG emissions will not be collected from:
- 7.1 Embedded emissions from items we purchase (these remain with the manufacturer in the place and country where the item was made)
 - 7.2 School transport
 - 7.3 Traffic lights
 - 7.4 Hire cars
 - 7.5 Plant and machinery
 - 7.6 Waste
 - 7.7 Water
 - 7.8 Refrigerant and other fugitive emissions
 - 7.9 Air travel
 - 7.10 Staff travel to and from work
 - 7.11 Emissions from schools are not included in the figures as schools leaving the local education authority portfolio artificially reduce the emissions total from this sector. Schools' data is collected through energy bills and mileage data and is analysed separately.
8. Carbon sequestration is not currently used by the Council to offset its emissions. However, as emissions become increasingly difficult to eliminate, it will become necessary to offset its emissions and to use carbon capture and storage methods.
9. GHG emissions are calculated using the Government's annual conversion factors which convert kWh, tonnes of fuel or mileage into Kg of carbon dioxide or equivalent greenhouse gases.

APPENDIX B

CORPORATE ENVIRONMENT POLICY

Derbyshire County Council is committed to putting the principles of sustainable development into action in everything the authority does, so that development meets the needs of today without compromising the ability of future generations to meet their own needs. Managing our environment sustainably will be a part of making Derbyshire a place:

- With resilient and thriving communities
- With happy, healthy people and families
- With a strong, diverse and adaptable economy
- Which is great to live in, visit and work.

We recognise the impact we have on the environment and society through the delivery of our operations and are committed to protecting the environment by minimising any adverse environmental impact, while creating opportunities for enhancing positive environmental effects to improve the quality of life for people. Our flagship commitment is to reduce the greenhouse gas emissions from our own estate and operations to net zero carbon by 2032.

We will encourage and enable all our employees to do what they can to translate these commitments into practice. We will also work with our contractors and suppliers to improve our environmental performance. This policy will, therefore, be communicated to all employees and contractors working for or on behalf of the County Council.

We will monitor our environmental performance by setting organisational objectives and targets and report on our progress.

In developing the Environment Policy, the Council is publicly setting out its commitment to continual environmental improvement. The Environment Strategy and Action Plan set out the work the Council will undertake to implement this policy.

CORPORATE ENVIRONMENT POLICY

In everything we do, Derbyshire County Council is committed to...

Reducing greenhouse gas emissions to net zero carbon by 2032

Identifying, adopting and promoting technologies and practices to reduce the emissions of greenhouse gases, including carbon dioxide, from our estate and operations including Council property, street lighting and fleet and employee travel.

Using water efficiently in the Council's buildings and operations

Using water efficiently in our buildings and operations and ensuring improvements are made to the measurement and monitoring of water consumption across our estate to inform water saving practices.

Reducing waste

Eliminating, reducing, reusing, composting and recycling wastes where possible. Managing our remaining wastes in accordance with our Duty of Care obligations.

Minimising pollution

Minimising, with the goal of eliminating, the release of any pollutant which may cause damage to health or the environment whether from air, land or water.

Protecting the natural and built environment

Protecting, conserving and enhancing the environment, habitats, biodiversity and heritage.

Ensure all staff are able to implement the Corporate Environment Policy

Raising awareness, educating and training employees and those working on our behalf to ensure that all staff have the knowledge, skills and understanding to implement the Environment Policy.

Ensuring that the Council's purchasing power is used positively

Ensuring that the Council's purchasing power is used to reduce negative environmental impacts and to improve the environmental standards and social value of products and services the Council purchases.

We will do this by...

Partnership Working

Working closely with employees, other organisations, interested groups and individuals, where appropriate, to further the aims of this Policy.

Objective Setting

Continually improving our environmental performance by setting realistic but challenging objectives and targets and regularly reviewing our progress as set out in the Environment Strategy and Action Plan.

Legal Compliance

Complying with relevant environmental legislation, Council policies and other commitments and striving to deliver best practice.

Environmental Management Systems

Promoting, operating and extending environmental management systems to control, monitor and enhance our environmental performance and communicating this Policy to all employees and contractors.

Policy Review

Reviewing this Environment Policy every three years in view of changes to the Council's activities and priorities in light of new local, national and international developments.

This page is intentionally left blank

DERBYSHIRE COUNTY COUNCIL
IMPROVEMENT AND SCRUTINY COMMITTEE – RESOURCES

5 MARCH 2020

Report of the Chairman of the Committee

Local Enterprise Partnership Scrutiny Working Group – Progress Report

1. Purpose of the Report

To inform the Committee of the progress made by the working group established to scrutinise the activities of the D2N2 Local Enterprise Partnership (LEP).

2. Information and Analysis

This is the first progress report regarding the working group established, in September 2019, to scrutinise the activities of the D2N2 LEP. The working group is made up of Members from this Committee and a representative from each of the following councils: Bassetlaw District Council, Chesterfield Borough Council and Nottingham City Council.

At the first meeting of the working group (2 December 2019) evidence was received from Sajeeda Rose (Chief Executive, D2N2 LEP), Tom Goshawk (Head of Capital Programmes, D2N2 LEP), Natalie Gasson (Operations Manager D2N2 LEP) and Sarah Wainwright (Senior Accountant, Accountable Body). The focus of the meeting was on the measures that had been put in place to improve programme delivery since the LEP received the rating of “Requires improvement” for “Delivery” in the 2019 Annual Performance Review. Members were briefed on the LEP’s structure and governance arrangements before engaging in a question and answer session on risk management, project re-profiling and performance of the Local Growth Fund Programme.

The working group met again on 18 February to discuss the work programme, agree the approach for future challenge meetings and to begin the work of identifying lines of enquiry. It was agreed that the working group would meet again after the end of the financial year and after quarter 2. It was also agreed that the meetings would be structured around, but not restricted to, the LGF reports submitted to the Investment Board (namely, LGF Programme Performance Overview, LGF Budget, Output Performance Update, D2N2 Milestones)

3. Officer’s Recommendations

The Committee notes this progress report.

This page is intentionally left blank