

Climate Change Strategy

Rethink, Reduce, Reuse, Recycle



North East
Derbyshire
District Council



2022 - 2030

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Foreword

Understanding climate change as a serious challenge, we officially declared a climate emergency in July 2019 and committed to taking decisive action to reduce our carbon footprint. As climate change is already affecting our ecosystems, communities and infrastructures, the need to mitigate these effects and strengthen our resilience is constantly growing.

We are aware that this requires a systematic behavioural change, however, we have already demonstrated, throughout the recent pandemic, our capability to successfully change and adapt our behaviours to manage a global emergency.

Last year we published our Council Plan 2023 - 2027 which sets out our ambition for the District to be a place that is clean and promotes long, joyful, and healthy lives, focusing on safety and caring for the environment. We want to create an excellent community that describes the District as a great place to live, work and prosper. We recognise, that in order to achieve this aim, balancing economic, social and environmental well-being is crucial. Our first priority was to recruit a dedicated Sustainability Officer, which we have achieved. We have also committed to undertaking a review of our management of natural land assets, which is underway.

As an organisation, the Council is committed to achieving an 80% reduction in our carbon emissions by 2030 and helping the District to achieve Net Zero by 2050.

This strategy sets out how through decisive action and effective collaboration, we can create positive communities that embrace sustainability, resilience and prosperity- a truly great place for us all to share and enjoy.

We believe, that as a Local Authority, we are well-placed to deliver this change, by leading the way, sharing best practices and working together with our partners, residents, businesses, communities and stakeholders, ensuring a collaborative approach throughout our activities.

Our approach emphasises using our resources efficiently, providing cost-effective services, and adopting a lifestyle that helps to reduce our carbon footprint.

To achieve this, we will continue to explore and embrace economically viable solutions and technological advances that allow us to move away from fossil fuels and environmentally harmful operational practices and shift towards cleaner, sustainable alternatives.



Cllr Nigel Barker
Council Leader



Cllr Steve Pickering
Cabinet Member for
Environment and
Place

Our Vision

The Council's 2023-27 vision is simple:

'Putting strong community leadership at the heart of everything we do, we will create a Great Place. A place where people can earn a decent living and have a comfortable home. A place where people can live a long, happy, and healthy life. A place where people feel safe within communities that are full of pride and a place that is conscious of and cares for its environment.'

The vision of this strategy is:

'A greener, cleaner and safer District, with strong, prosperous communities and businesses, that cares for the environment and natural beauty of the District.'



Introduction

The primary driver behind climate change and its negative impacts is the increase in greenhouse gas (GHG) emissions, which are causing the rise in global average temperatures.

As the global average temperatures are increasing, we are already seeing the effects of climate change, such as melting polar ice caps, coastal erosion, rise of sea levels and changes in vegetation growth. These changes are threatening entire eco-systems of our planet, not only affecting the feeding patterns of many animals, such as birds, mammals, fish and insects, but also our own food supply.

In order to reverse the effects of a climate change, there is a growing global understanding for a need to stop greenhouse gas emissions and countries around the world are setting their own targets to reduce their carbon footprint, which is the total amount of greenhouse gas emissions tied to an individual, organisation or activity.

This challenge of a fundamental shift towards more sustainable approach also presents new opportunities for energy security and creation of green industries and jobs, that in turn, would generate many economic benefits.

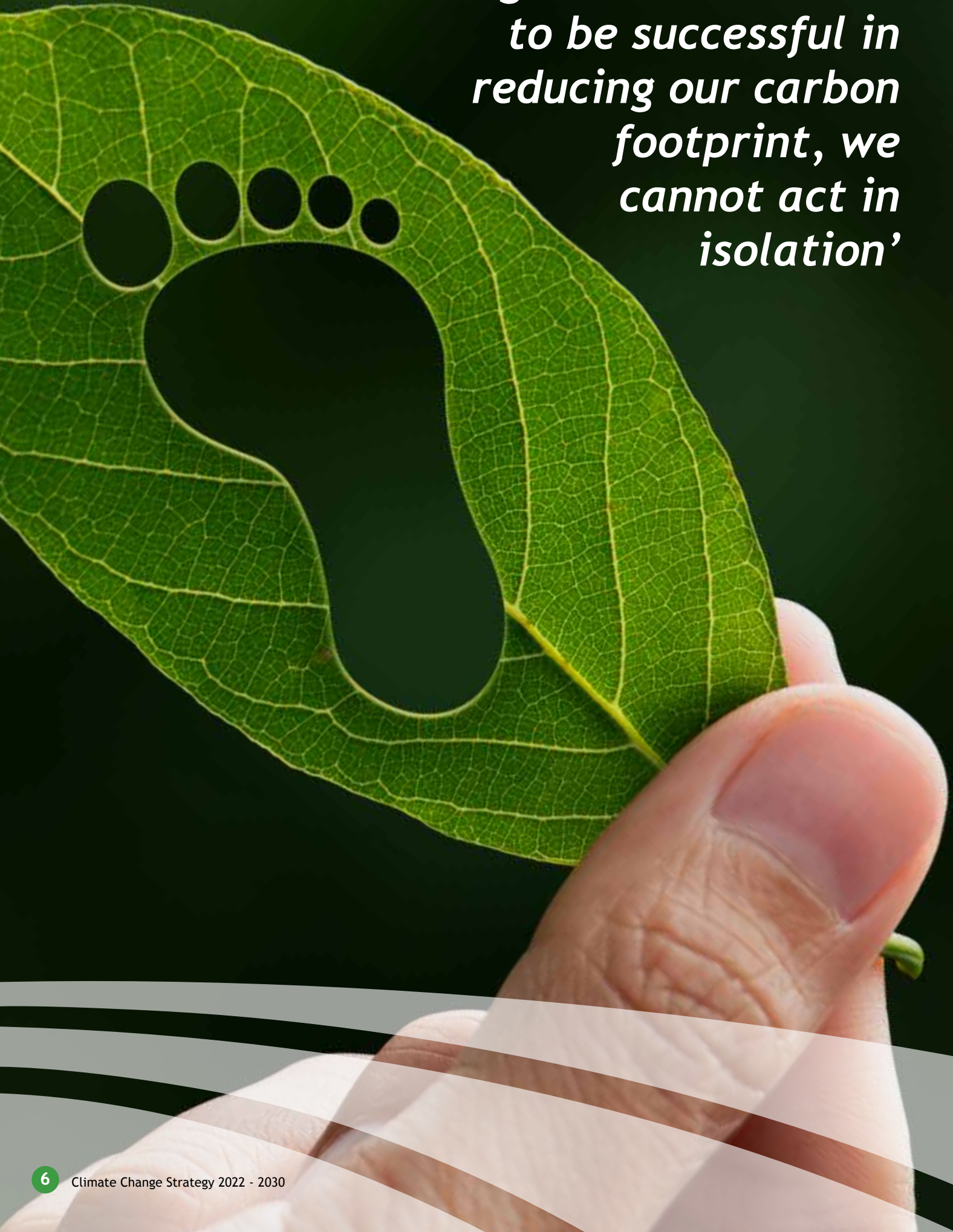
As this cannot be achieved in silos and requires a joint global effort, everyone can play their part in ensuring future prosperity for generations to come and Local Authorities are well placed to influence and inspire change. By working collaboratively, leading by example and raising awareness about sustainable solutions.

In fact, sustainable solutions can emerge in almost every scenario by asking questions and applying the following guiding principles:

- **RETHINK** - can we do something different? Do we need to do it at all?
- **REDUCE** - consumables, energy, travel, waste;
- **REUSE** - renewable energy, materials, products, equipment;
- **RECYCLE** - water, waste, by-products;

As a strategic community leader and a major employer, the Council will apply these principles in regulatory functions, operations and the services we deliver to drive the positive change. This will help to preserve our District and its biodiversity and ensure a clean and safe environment, so that our present and future communities and businesses can thrive.

‘We recognise that in order to be successful in reducing our carbon footprint, we cannot act in isolation’



Policy Drivers

As the recognition for behavioural change needed continues to rise globally, we will reflect on the best practice, guidance, activities and principles identified in other international, national and local policy documents. This strategy and our approach are informed and driven by the following policy drivers:

- **The Kyoto Protocol**
https://unfccc.int/kyoto_protocol
- **The Paris Agreement**
<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>
- **COP28 UAE - United Nations Climate Change Conference**
<https://www.cop28.com>
- **The Climate Change Act 2008**
<https://www.legislation.gov.uk/ukpga/2008/27/contents>
- **The Carbon Plan**
<https://www.gov.uk/government/publications/the-carbon-plan-reducing-greenhouse-gas-emissions--2>
- **A Green Future: Our 25 Year Plan to Improve the Environment 2018**
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/693158/25-year-environment-plan.pdf
- **The Resources and Waste Strategy 2018**
<https://www.gov.uk/government/publications/resources-and-waste-strategy-for-england>
- **The Clean Air Strategy 2019**
<https://www.gov.uk/government/publications/clean-air-strategy-2019>
- **The UK Circular Economy Package Policy July 2020**
<https://www.gov.uk/government/publications/circular-economy-package-policy-statement>
- **The Ten Point Plan for a Green Industrial Revolution 2020**
<https://www.gov.uk/government/publications/the-ten-point-plan-for-a-green-industrial-revolution>
- **UK Hydrogen Strategy 2021**
<https://www.gov.uk/government/publications/uk-hydrogen-strategy>
- **Derbyshire County Council Climate Change Strategy 2021-2025: Achieving Net Zero**
<https://www.derbyshire.gov.uk/site-elements/documents/pdf/environment/climate-change/climate-change-strategy.pdf>
- **Derbyshire Environment and Climate Change Framework**
<https://data.climateemergency.uk/media/data/plans/derbyshire-county-council-3a14855.pdf>
- **Vision Derbyshire Climate Change Strategy: 2022 - 2025**
<https://www.derbyshire.gov.uk/site-elements/documents/pdf/environment/climate-change/vision-derbyshire-climate-change-strategy.pdf>
- **North East Derbyshire District Council - Council Plan 2023 - 2027**
<https://www.ne-derbyshire.gov.uk/about-the-council/council-plan-2023-2027>

Current Emissions and Targets

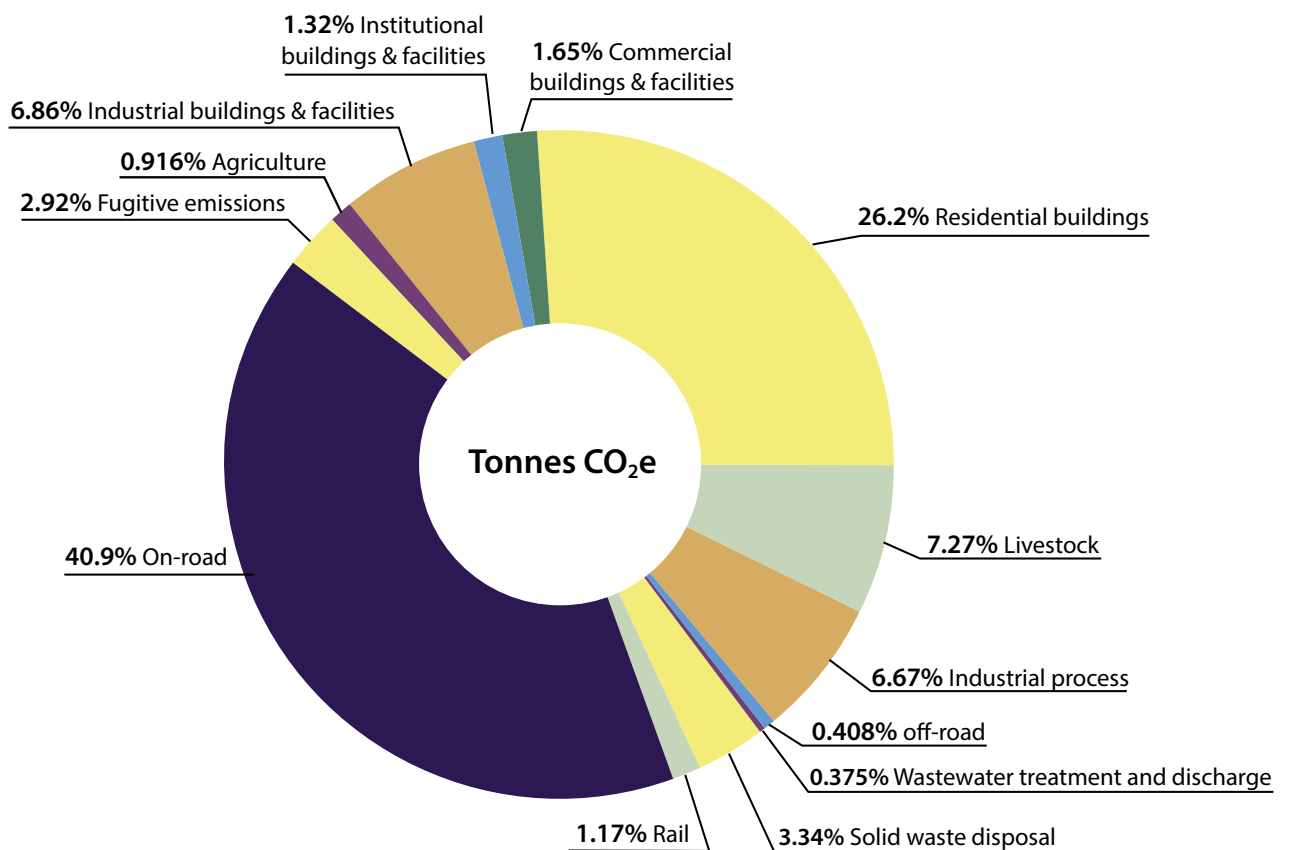
The UK has legal targets to reduce greenhouse gas emissions by 78% by 2035 compared to 1990 levels as set out in the sixth carbon budget and to reduce greenhouse gas emissions to net zero by 2050.

Greenhouse gas emissions for the District were measured annually by BEIS (up to 2023) whose data shows that 67.1% of the District's CO₂e emissions are generated by

road transport and residential buildings. To stay on track to meet the UK's 2050 net zero greenhouse gas emissions target there is an urgent need to move away from using fossil fuels in our vehicles and homes. The choices we make and the action we take can all have a positive impact on reducing the emissions we generate in our daily lives, which in turn will contribute to bringing down emissions levels across the District.

NED District Emissions Sources

Subsector inventory summary for North East Derbyshire with Scope 1 (Direct) 2019



Source SCATTER

In line with the global carbon budgets set out in the Paris Agreement, under Derbyshire’s decarbonisation plans NED District has its own suggested budget for 2018 - 2100 which reflects the District’s particular profile and ability to make a fair contribution. This has been determined as follows:

Energy only recommended carbon budget (million tonnes CO₂)

Local Authority Area	2018 - 2022	2023 - 2027	2028 - 2032	2033 - 2037	2038 - 2042	2043 - 2047	2048 - 2100	Total 2018 - 2100
North East Derbyshire	2.2	1.1	0.6	0.3	0.1	0.1	0.1	4.4
Derbyshire	27.3	12.9	5.9	2.7	1.2	0.6	0.5	51.2

1: Source BEIS actual from 2014 to 2019 and Tyndall recommended for 2020 to 2050.

Internal Target

The Council is aiming to achieve an 80% reduction in our carbon emissions by 2030 and is committed to supporting the District to meet the Tyndall Centre’s suggested carbon budgets. We additionally set ourselves an internal target to reduce our own carbon emissions by 750 tonnes by 2023/24 by adopting a fabric first approach.

Through investment in renovation and new technology at Eckington Leisure Centre and working with our housing partner, Rykneld Homes Ltd, to install external wall insulation into more than 400 properties in the District, we have met and exceed this target by permanently removing 892 tonnes of CO₂e from the air in the last year. We will continue to look for opportunities to further reduce emissions as funding schemes become available.

Our Approach

Climate Change Strategy and Action Plan

Understanding the sources of our emissions has allowed us to develop our Climate Change Strategy and its supporting Climate Change Action Plan to identify ways to reduce the carbon footprint of our organisation and the wider District and will underpin this Strategy.

The Climate Change Strategy and Climate Change Action Plan draw together a range of strategic, tactical and operational activities being undertaken by many partners in many different areas of influence in order to collaboratively reduce carbon emissions in the District.

Taking a One Council and One Team approach, considerations of Climate Change mitigation and expectation to monitor and evidence contributions is included in all service plans as part of everyday Council planning, operation and delivery, thereby embedding in the organisation's corporate consciousness and a fundamental element of the Council Plan, in particular the following sections:

Reduce carbon emissions and pollution across the district

- Assist and influence other public partners, residents and businesses to reduce their carbon emissions.

- Continually reduce the Council's own carbon emissions.
- Assist and influence other public partners, residents and businesses to reduce pollution.
- Develop policies and plans which encourage alternatives to car usage.
- Directly, and with partners and residents, reduce litter and pollution from waste.

Increase biodiversity across the district

- Assist and influence other public partners, residents, and businesses to utilise their assets to improve biodiversity.
- Where appropriate utilise Council assets to improve biodiversity.

We also recognise that with our One Council approach, Climate Change mitigations can also be a driver and recipient to other core tactics across the Council Plan, for example "Assist residents in ensuring their homes are suitable and meet their health needs," "Develop and continually improve the quality and range of housing, providing comfortable homes for residents that meet their needs," being "Financially responsible and efficient" and "Directly assist residents and businesses to access all available public services and support."

To ensure transparency and effectiveness our Cabinet Member for Environment and Place and Environment Scrutiny Committee provide ongoing strategic oversight and governance, whilst our Sustainability Officer co-ordinates the delivery of the Climate Change Strategy and the Climate Change Action Plan.

We will use our influence across a range of issues, including waste collection and disposal, housing, environment and transport. We have a large stock of buildings and workplaces, and we are the custodians of many parks, open spaces and semi-rural land. We are also responsible for the production of Local Development Plans (LDPs) and play a major role in driving economic growth and local regeneration.

By exercising our statutory functions and having influence in these areas in a way that results in reduced emissions, there is the opportunity for a range of economic and social benefits for our organisation and our communities.

Schemes we are already implementing, such as fitting external wall insulation to our housing stock or rebuilding our properties that cannot be effectively improved, will ensure homes are more energy efficient and so contribute to reductions in the wider sense. Other activities we undertake such as clearing and cleaning drains and waterways to prevent flooding and encouraging biodiversity in our green spaces all help to mitigate the effects of changing weather patterns.

We are also working with our partners to inform and promote actions that will enable residents and businesses to contribute to reducing these emissions and, whilst there is always more to be done, we can clearly demonstrate that the Council is reducing its carbon emissions and providing community leadership on the topic.

The Climate Change Strategy sets out 10 thematic areas by which our organisation aims to reduce our own and our District's carbon emissions by 2030:

Theme 1 - Operational Practices and Procurement

Theme 2 - Sustainable Buildings and Workplaces

Theme 3 - Low Carbon Fleet

Theme 4 - Renewable Energy

Theme 5 - Planning

Theme 6 - Biodiversity

Theme 7 - Waste, Recycling and Pollution

Theme 8 - Housing

Theme 9 - Local Economy

Theme 10 - Community Collaboration

Knowledge, awareness, technology, products and regulation across these themes are evolving rapidly, therefore this strategy and the targets within it will be reviewed and updated regularly. It will be a dynamic plan that will change and flex as new opportunities arise which support and potentially further our ambition for carbon reduction.

A woman with glasses and a red shirt is sitting at a wooden desk, looking at a smartphone in her left hand while her right hand is on a laptop keyboard. The background shows a window with blinds and a desk with a laptop and some papers.

***‘We will
continue our
agile working
approach’***

Theme 1 - Operational Practices and Procurement

Context:

We recognise that the Council has a broad role to play across a range of activities to reduce carbon emissions both within the Scopes for this Authority as well as for the wider District area.

Ongoing review and evolution of how we use our resources and assets to deliver our services in a smarter, more efficient way by ensuring carbon reduction is embedded as a core part of decision-making and commissioning. This will help us achieve our net zero aspirations as well as improve our financial sustainability and outcomes for our customers and residents. Whether we are transforming our working practices and behaviours, or influencing our partners and suppliers, we are committed to embed sustainability into everything we do. This Theme is central to our ambition of *Rethink, Reduce, Reuse, Recycle*.

Priorities:

- It is important to maximise the reductions in emissions with the resource available. We will continually reduce the Council's own carbon emissions by adapting the initiatives that provide the best value for money. This way we will ensure that the carbon reduction benefit achieved is reasonable and proportional to the cost of implementation.
- Our Procurement Policy complies with environmental protocols for deliverers of

large commissions and already includes the use of local contractors for goods and services wherever practical. In order to further our commitment to sustainable procurement practices we will also adopt procurement evaluation which considers environmental impact.

- We will continue our agile working approach, increasing the availability of online services, reducing the need for staff and customer related travel to conduct business. Where financially feasible, we will invest in new technology to transform how and where we work to further reduce our carbon emissions and be more sustainable.
- To ensure that carbon management becomes the responsibility of everyone within the organisation, Elected Members and senior management will understand and drive the culture of 'carbon consideration,' recognising it as a key element of prudent financial management which is aligned with the Council's drive for cost reduction, income generation and service re-design.

Challenges:

Resource implications such as cost of new technology, staffing implications resulting from changes to working practices, procured services not being locally available and the practicalities involved in delivering some actions may limit what we are able to achieve at the pace and intensity we wish to deliver.

***‘We are focusing
on reducing
our carbon
emissions’***



Theme 2 - Sustainable Buildings and Workplaces

Context:

The Council's buildings and workplaces account for a significant proportion of our carbon emissions, therefore having a focus on these will be key to our carbon reduction ambition.

Priorities:

- Adopt a fabric first approach to our buildings, seek and bid for available grant funding to insulate our commercial properties and install new technologies to provide a good foundation for future mitigations as they become more affordable.
- Reduce energy and water usage, minimising waste through our operations, using renewable energy and energy efficient technology and practices to gain improved efficiency, reduced operating costs and reduced environmental impact.
- Seek and maximise grant funding to facilitate upgrades on our commercial and operational premises.

Challenges:

The cost of major renovations means that these are largely reliant on the availability of grant funding. Embedding energy saving thinking in the organisation requires buy-in from staff and a consistent message is required to ensure that the necessary behavioural changes happen.



‘Encourage alternatives to car use and promote more sustainable travel’



Theme 3 - Low Carbon Transport

Context:

There are three elements within our remit: service vehicles, grey fleet and travel to work.

Our service fleet - refuse collection vehicles, road sweepers, vans and cars, is an integral part of our operations to deliver services such as waste collection, grounds maintenance, outreach programmes and vehicles used by Rykneld Homes Ltd (RHL).

Our grey fleet includes staff using their own cars for business travel. By reducing the need to travel our fleet management has the potential to contribute significantly towards our overall carbon reduction ambition.

We employ around 500 staff and their commuting represents significant emissions.



Priorities:

- Continue to undertake regular reviews of our fleet to see how advances in low emissions vehicle technology and fuel options could be integrated.
- Continue to carry out regular route optimisation and journey rationalisation exercises to reduce our service delivery related fuel consumption, costs and the impact of our fleet upon the environment.
- Our agile working policies provide digital alternatives to reduce travel requirements. Whilst we continue to

work in a hybrid way, we will also develop policies and plans which encourage alternatives to car use and promote more sustainable travel.

- Continue to look at more sustainable fuel options as production and technology advances.

Challenges:

It is not feasible at this point in time to replace some vehicles with electric vehicles due to the topography of the District and the mileage range of the new vehicles currently available. We also have a large number of new homes being built in the District which will extend refuse collection routes. Operational challenges with charging an electric fleet will also be a consideration.



***‘Installing
Air Source
Heat Pumps
at our leisure
centres’***

Theme 4 - Renewable Energy

Context:

We use gas and electricity to heat and power our buildings and also use petrol and diesel to power our fleet. Although nearly all of the Council's commercial properties use electricity from 100% certified renewable sources since April 2021, due to technical limitations, this was not feasible in a small amount of properties. We need to increase generation of renewable energy, actively seek out new technological solutions and continue to investigate low-carbon alternatives to allow us to power our buildings and fleet sustainably

Priorities:

- Install Air Source Heat Pumps and Solar Photovoltaics at our Leisure Centres and continue to look for more opportunities to have renewable energy sources installed on Council owned properties.
- Support and promote the use of renewable energy in Council's commercial properties, including supporting electric vehicle use for our grey fleet.
- Monitor future developments in power sources.

Challenges:

Rising fuel costs, finding suitable places to site installations and striking a balance with developers to build homes that are above the minimum standard but that also give sufficient financial return to build are major factors.



‘Improving cycle routes and greenways’



Theme 5 - Planning

Context:

The planning process has the potential to make a major contribution by shaping new and existing developments in ways that reduce carbon emissions and tackle the effects of climate change by delivering the right development in the right place, informed by the ambition for sustainable development.

We can direct the siting and types of developments through the planning process and work with developers to achieve the best standards to future proof the District's housing stock.

Priorities:

- Work to develop appropriate guidance, policy, and frameworks to ensure that planning measures for net zero buildings and biodiversity are integrated into the Local Plan and wider planning activities, using Local Design Codes as guidance.
- Review the Local Plan to reflect the increased focus on climate change and reducing carbon emissions.
- Protect and improve the Green Infrastructure Network and other linear recreation routes, cycle routes and greenways.



- Work with the highways authority to influence the local transport plan and expand the greenways network.

Challenges:

Government legislation and Local Plan ambitions can restrict what is realistically achievable.



***‘Encourage
wildflower verges
to improve
biodiversity’***

Theme 6 - Biodiversity

Context:

Our parks, open spaces and green spaces are central to the lives of our communities, providing opportunities for leisure, play, relaxation, exercise, community cohesion, physical and mental health and wellbeing. They are also an opportunity to increase biodiversity, mitigate climate change and support local economic growth.

By taking a holistic approach to managing these spaces, such as our mowing strategy to leave grass clippings in situ, they can become a haven for wildlife as well as a valuable community asset.

Priorities:

- Develop local policies and produce a robust Green Infrastructure Strategy to connect settlements with their surrounding area and nature, increase biodiversity net gain and maximise the eco-system benefits provided by trees in reducing carbon emissions.
- Encourage re-wilding and wildlife corridors for public open spaces and wildflower verges to improve biodiversity using pollinator-friendly plants in planting schemes.
- Where appropriate utilise natural land and other Council assets and review their management to improve biodiversity.
- Assist and influence other public partners, residents, and businesses to utilise their assets to improve biodiversity.



- Develop the co-operation with Derbyshire Wildlife Trust to provide advice and guidance.
- Support Derbyshire County Council's Tree and Woodland Strategy by contributing to their one million tree target.

Challenges:

The cost implications of major tree and hedge planting schemes may be prohibitive and initiatives such as leaving grass cuttings in situ may not be seen as attractive to everyone, therefore explanations may be necessary to ensure that the reasons and biodiversity benefits are fully understood.

***‘Rethink,
Reduce,
Reuse,
Recycle’***



Theme 7 - Waste, Recycling and Pollution

Context:

We operate a service that provides kerbside waste and recycling collection across the District for a wide range of items, a commercial refuse service for both general waste and recycling, and a clinical waste collection service. This ensures that all collected waste is disposed of in line with legislation and reduces the amount going to landfill and associated contamination as well as helping maintain a safe, clean and attractive environment.

All of our refuse collection vehicles are now featuring 'Rethink, Reduce, Reuse, Recycle' slogan with an aim to promote and convey our commitment to circular economy and waste reduction.

Priorities:

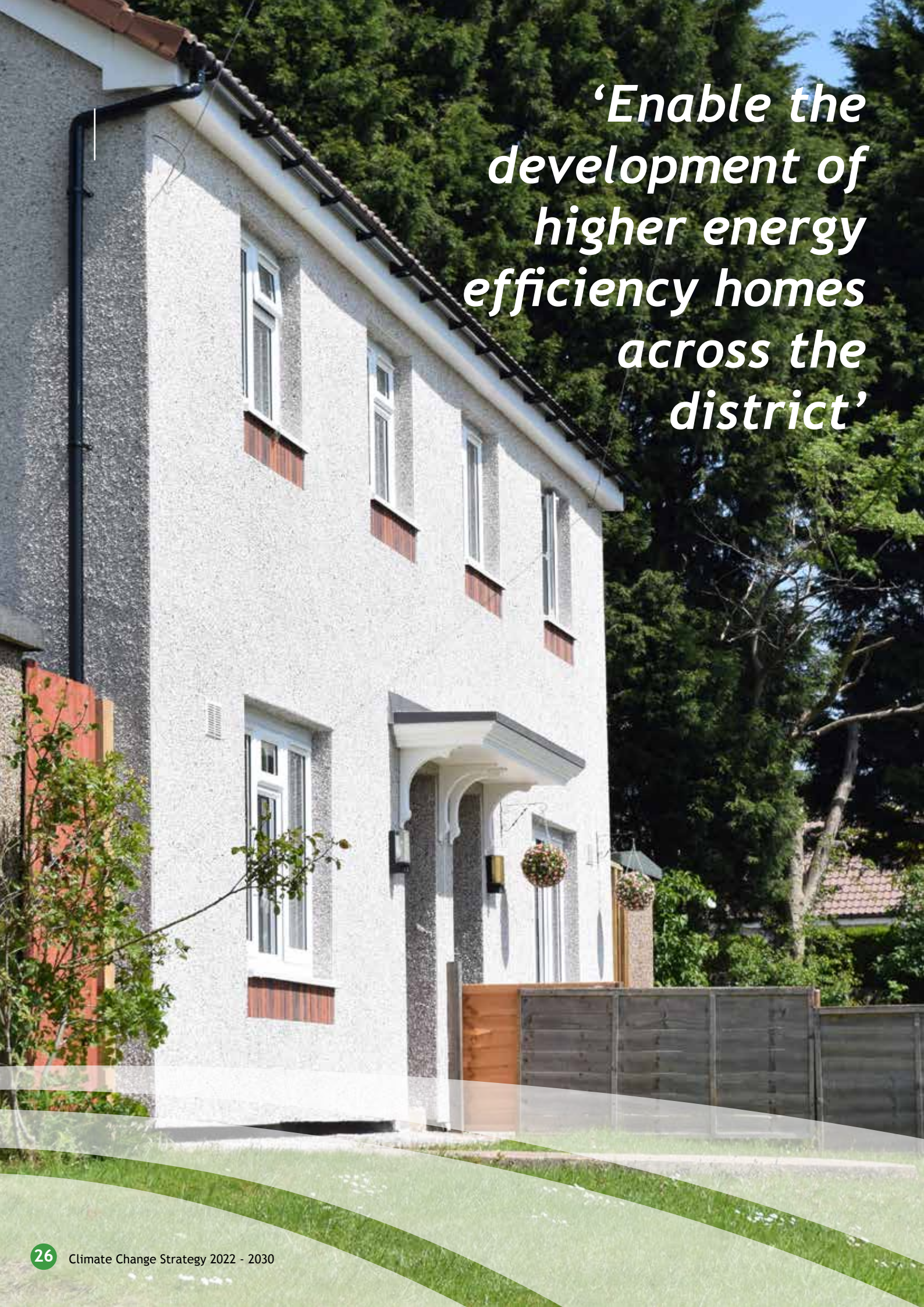
- Increase the levels of recycling by residents and businesses, encourage and promote composting of food waste and garden waste.
- Provide and promote an effective and efficient waste collection service.
- Directly, and with partners and residents, reduce litter and pollution from waste.
- Support, empower and enable community-led litter picks.
- Use our enforcement powers to investigate and tackle environmental and domestic pollution and fly-tipping.

- Remove fly-tipping deposits in line with targets.
- Investigate new recycling opportunities for our residents.
- Monitor and take action where appropriate to reduce dust, air pollution, odour, noise, light, pests and smoke.
- Assist and influence other public partners, residents, and businesses to reduce pollution.
- Regulate industrial processes.

Challenges:

Some bins are used incorrectly resulting in contamination and the contents having to go to landfill. The cost of dealing with fly tipping is an ongoing concern.





‘Enable the development of higher energy efficiency homes across the district’

Theme 8 - Housing

Context:

The Council is landlord for over 7,500 dwellings. In addition, there are around 41,000 other dwellings in the District. The Council can influence the sustainability of the local housing stock through investment and raising awareness of emerging opportunities. We are continually adding properties (new build and existing) to our housing portfolio and selling others.

Priorities:


- Enable the development of higher energy efficiency homes across the district.
- Asset rationalisation programmes.
- Ongoing delivery programme improving the energy efficiency and appearance of our Council houses in partnership with RHL.
- Explore housing development and regeneration opportunities.
- Act to reduce empty homes.
- Build, acquire, and facilitate delivery of sustainable and affordable homes across the District.
- Continue Home Assistance Co-ordinator visits to residents to assist them in reducing their carbon footprint and energy bills.



- Continue working with our tenants to help them reduce their energy and water usage and carbon footprint.

Challenges:

The cost of renovation schemes means that these are partially reliant on the availability of grant funding. Embedding energy saving thinking amongst residents requires buy-in and a time investment to explain how the best benefits are achieved.

A photograph of a woman with her hair in braids, wearing a white t-shirt and a dark blue apron, smiling as she hands three aluminum trays to a person in a blue uniform. The background shows a kitchen with various items on the counter, including a water bottle, a red cup, and a yellow cup. The text 'Encouraging staff and residents to shop locally' is overlaid in the top right corner.

*‘Encouraging
staff and
residents to
shop locally’*

Theme 9 - Local Economy

Context:

Our local economy needs to work towards net zero in a timely manner. The District has a wide variety of commercial activities which all present their own challenges. By working with partners as part of the countywide approach, we want to develop our local economy by engaging with and influencing local businesses, education, and public and third sector organisations. Having a wide range of locally provided products and services will reduce travel associated with transporting goods, workers and customers.

Priorities:

- Support a more diverse local economy via the Local Plan and NEDCC Talent Pipeline to identify quality employment and provide volunteering, work placement and workforce development opportunities.
- Further stipulate economic growth by working with local craftspeople to promote local building traditions and materials, encouraging the adoption of the Talent Pipeline withing the local business community and encouraging staff and residents to shop locally.
- Reduce the need to travel by supporting community focussed cultural activity such as “Live and Local” and community touring schemes.
- Promote local leisure centres, activities, and events by providing and facilitating good quality outdoor spaces and public footpath walking routes.



- Seek, access, and utilise external funding to renovate our towns and villages and develop local initiatives.
- Provide information to raise awareness and advice to promote the opportunities and benefits of the local economy.
- Support innovation and growth in our businesses to enable them to reduce their carbon footprint and operate more sustainably

Challenges:

Developing the local economy requires external investment and grants. The success of any scheme is dependent on ‘buy-in’ from its businesses, residents and workers who can choose where to spend their money.

‘Promoting green social prescribing for mental health and wellbeing’



Theme 10 - Community Collaboration

Context:

By working collaboratively with residents and businesses, we can collectively have a significant beneficial impact on our environment.

Priorities:

- Raise awareness about initiatives and projects that enable individuals, groups, families, businesses and organisations to recognise their role in contributing to a more sustainable future, and encourage people of all ages to engage more fully in carbon reduction and sustainable living.
- Work with partners to engage with the local and wider community to help them understand climate change, how it impacts upon them directly and how they can make a difference.
- Lead by example through improving our own operation through campaigns and highlight decarbonisation projects and reduced CO₂ through our media channels.
- Provide accurate information, advice and support to our businesses and residents to help them make informed choices.
- Use the *Thanks a Tonne* initiative to raise awareness and promote behaviour change to demonstrate



how lots of small actions add up to a significant contribution to mitigating climate change.

- Promote green social prescribing for mental health and wellbeing.

Challenges:

The cost of upgrading homes and cars may be prohibitive for many people. Financial investment from the Council will be required to run campaigns and initiatives which can help families embed new behaviours and achieve savings.

Monitoring our Progress

By far the most important goal is to achieve real reductions in carbon emissions. It is important that the decision-making process is strongly based upon the principle of achieving the largest reductions for the money used. Monitoring and assessing the impact of individual interventions, is crucial to making the most effective decisions. The monitoring process will be co-ordinated by the Sustainability Officer whilst our Cabinet Member for Environment and Place and the Environmental Scrutiny Committee will oversee and provide the governance to the process.

There are three strands to our monitoring:

- **Internal Operations** - all aspects of our operations.
- **Indirect Control** - things we are partly responsible for, such as our housing and planning.
- **Influence** - community engagement, education etc.

Internal Operations

With no definitive monitoring and reporting frameworks currently mandatory for Local Authorities, as the best practice solution, for our internal operations, where possible, we will adopt Greening Government Commitments 2021-2025 framework, which sets out the principles and standards underpinning sustainability reporting for use in Central Government.

This will ensure cohesion, efficiency, transparency and alignment with national net zero policy.

We will monitor and report:

- Greenhouse gas emissions

There is a national approach to monitoring some aspects of carbon footprint, referred to as Scopes. These are defined as:

Scope 1 - Direct emissions that result from the Council's day to day activities within our control, including fuel combustion on site such as gas boilers, fleet vehicles and grey fleet business travel.

Scope 2 - Indirect emissions that result from the generation of electricity that the Council purchases.

Scope 3 - All other indirect emissions from sources that result from the Council's operations but are outside its control such as employee travel to work, procurement, consumables, waste disposal and water treatment.

We will monitor and report all our Scope 1 and 2 emissions, as well as those Scope 3 emissions that arise from business travel.

- Waste minimisation and management:
 - total waste arising
 - total waste recycled
 - total waste to landfill
- Paper and Single Use Consumer Plastic use
- Finite resource consumption
- Sustainable procurement

- Nature Recovery and Biodiversity
- Climate Change Adaptation
- Reducing environmental impacts from ICT and Digital
- Sustainable Construction

- Business and retail units
- Specific projects can be hard to directly assess, but a ‘log’ of projects undertaken, and estimated impact, will be maintained.

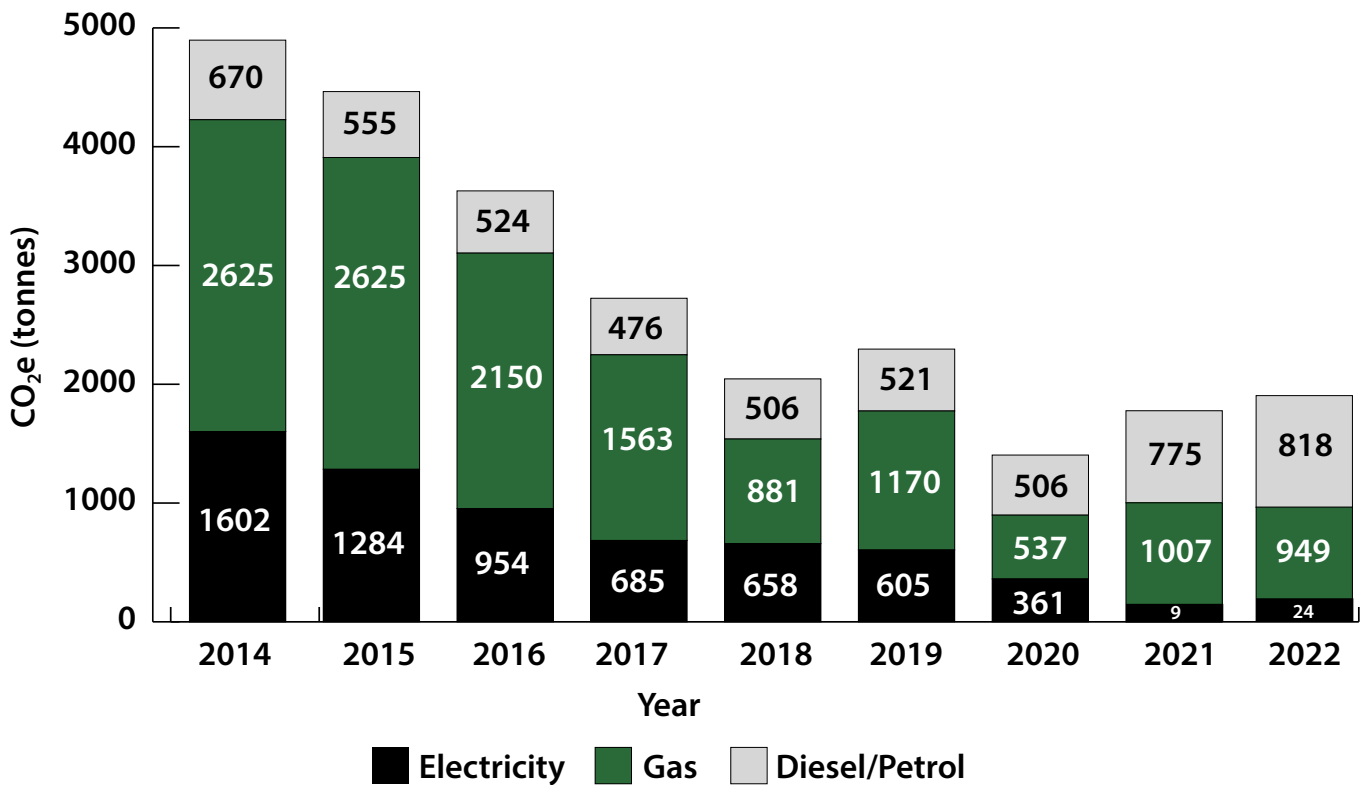
Indirect Control

- Council Housing quality - insulation, energy efficiency etc.
- Planning policy

Influence

- Local economy
- Local communities
- Policy

North East Derbyshire District Council’s Emissions arising from consumption of fossil fuels



Source: NEDDC internal data

Notes: 2020 figures impacted by COVID-19. All commercial building electricity, except for Killamarsh active, is from 100% certified renewable sources since 2021. Gas includes RHL Ltd. Diesel consumption increased in 2021 due to taking recycling in-house

Annex A - Policy Drivers

Kyoto Protocol

The UK is committed to the Kyoto Protocol - an international treaty which considers climate change. The protocol commits countries to adopt an urgent approach to reducing their greenhouse gas emissions. The aim of the protocol was to provide countries upholding the United Nations Framework Convention on Climate Change (UNFCCC) the option to execute methods of setting targets to control and measure the production of greenhouse gases within the country.

https://unfccc.int/kyoto_protocol

The Paris Agreement

The Paris Agreement is a legally binding international treaty on climate change and was adopted by almost every nation in 2015 to address climate change and its negative impacts. The agreement aims to substantially reduce global greenhouse gas emissions in an effort to limit the global temperature increase in this century to 2 degrees Celsius above preindustrial levels, while pursuing the means to limit the increase to 1.5 degrees.

<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>

COP28

The COP28 summit brought parties together to accelerate action towards the goals of the Paris Agreement and the UN Framework Convention on Climate Change. It enabled countries to revisit climate pledges made under the 2015 Paris Agreement and sets

the global agenda on climate change for the next decade with the goal to keep cutting emissions until they reach net zero by 2050.

<https://www.cop28.com>

The Climate Change Act 2008

The Climate Change Act 2008 makes the UK the first country to have a legally binding long-term framework to cut carbon emissions. It also creates a framework for building the UK's ability to adapt to climate change. Initially committing to an 80% reduction in emissions by 2050 set against 1990 levels, in 2019 a more ambitious target was set to achieve net zero emissions by 2050.

<https://www.legislation.gov.uk/ukpga/2008/27/contents>

The Carbon Plan

In December 2011 the Government developed the Carbon Plan with proposals for achieving reductions and meeting the 2050 target. This Plan is in accordance with the Climate Change Act 2008 and determines the ways in which the emission reduction targets will be achieved through carbon budgets which provide legally binding limits on the amounts of emissions that may be produced in successive 5 year periods.

<https://www.gov.uk/government/publications/the-carbon-plan-reducing-greenhouse-gas-emissions--2>

A Green Future: Our 25 Year Plan to Improve the Environment 2018

This document details the Government's comprehensive and long-term approach to protecting and enhancing the natural environment in England. Its goals are cleaner air and water, plants and animals which are thriving and a cleaner, greener country for the next generation.

<https://assets.publishing.service.gov.uk/media/5ab3a67840f0b65bb584297e/25-year-environment-plan.pdf>

The Resources and Waste Strategy 2018

This Strategy is linked to the 25 Year Environment Plan and sets out the Government's plan to preserve the country's stock of material resources by minimising waste, promoting resource efficiency and moving towards a circular economy.

<https://www.gov.uk/government/publications/resources-and-waste-strategy-for-england>

The Clean Air Strategy 2019

This Strategy sets out how the Government will tackle all sources of air pollution, making our air healthier to breathe, protecting nature and boosting the economy.

<https://www.gov.uk/government/publications/clean-air-strategy-2019>

The UK Circular Economy Package Policy July 2020

The UK is committed to moving towards a more circular economy which will seek to keep resources in use as long as possible, extracting maximum value from them, minimizing waste and promoting resource efficiency. The Circular Economy Package (CEP) introduces a revised legislative framework, identifying steps for the reduction of waste and establishing an ambitious and credible long-term path for waste management and recycling.

The UK's commitment is to recycle 65% of municipal waste and send no more than 10% municipal waste to landfill by 2035.

<https://www.gov.uk/government/publications/circular-economy-package-policy-statement/circular-economy-package-policy-statement>

The Ten Point Plan for a Green Industrial Revolution 2020

This Plan sets out how the Government will mobilise £12 billion of government investment, and potentially three times as much from the private sector, to create and support up to 250,000 green jobs.

https://assets.publishing.service.gov.uk/media/5fb5513de90e0720978b1a6f/10_POINT_PLAN_BOOKLET.pdf

UK Hydrogen Strategy 2021

The UK Hydrogen Strategy and supporting policy package lay the foundations for a thriving hydrogen economy, one that can support our trajectory to achieving our world leading Sixth Carbon Budget and net zero commitments.

<https://www.gov.uk/government/publications/uk-hydrogen-strategy>

Derbyshire County Council Climate Change Strategy 2021 - 2025: Achieving Net Zero

This document sets out Derbyshire County Council's ambition to be a net zero organisation by 2032 or sooner, and what it will do to help the county to be net zero by 2050.

<https://www.derbyshire.gov.uk/site-elements/documents/pdf/environment/climate-change/climate-change-strategy.pdf>

Derbyshire Environment and Climate Change Framework

The Framework sets out Derbyshire's carbon budgets and trajectories and the key strategies which partners will develop and implement to achieve collective ambitions.

<https://www.derbyshire.gov.uk/site-elements/documents/pdf/environment/climate-change/derbyshire-environment-and-climate-change-framework.pdf>

Vision Derbyshire Climate Change Strategy: 2022 - 2025

The purpose of this Strategy is to present a vision for Derbyshire to thrive and prosper as a net zero county. It has been developed through collaborative working between the county, district and borough councils across Derbyshire under the shared commitment of Vision Derbyshire, which seeks to strategically improve outcomes for people and places, speak with one voice as a county, and coordinate our resources better and more sustainably.

The five key themes of the Strategy are:

- Local Authority Estate, Operations and Services
- Strengthening the Low Carbon Economy
- Decarbonising Derbyshire's Housing
- Sustainable Transport, Travel and Infrastructure
- Waste and Resources.
- Awaiting publication.

North East Derbyshire District Council Plan 2023 - 2027

The Council Plan 2023 - 2027 sets out the ambition and aims of the Council. Key priorities include the protection and enhancement of our environment and tackling the causes and effects of climate change.

<https://www.ne-derbyshire.gov.uk/about-the-council/council-plan-2023-2027>

Annex B - Glossary

Glossary

BEIS	Department for Business, Energy and Industrial Strategy
CO₂	Carbon dioxide is a natural, colourless and odourless greenhouse gas that is emitted when fossil fuels (i.e., natural gas, oil, coal, etc.) are burnt.
UN	United Nations
NED	North East Derbyshire
NEDDC	North East Derbyshire District Council
ICT	Information and communications technology

Annex C - Sources

BEIS UK GHG emissions

<https://www.gov.uk/government/collections/uk-greenhouse-gas-emissions-statistics>

Department for Transport - Transport and Environment Statistics 2021

Annual report

<https://www.gov.uk/government/statistics/transport-and-environment-statistics-2021>

GHG reporting conversion factors

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022>

SCATTER

<https://scattercities.com/>

Tyndall Centre for Climate Change Research

<https://tyndall.ac.uk/>

Equalities Statement

North East Derbyshire District Council is committed to equalities as an employer and when delivering the services it provides to all sections of the community.

The Council believes that no person should be treated unfairly and is committed to eliminating all forms of discrimination, advancing equality and fostering good relations between all groups in society.

Access for All statement

You can request this document or information in another format such as large print or language or contact us by:

- Phone: [01246 231111](tel:01246231111)
- Email: connectne@ne-derbyshire.gov.uk
- Text: [07800 00 24 25](tel:07800002425)
- BSL Video [Call](#): a FREE, three way video call with us and a BSL interpreter.
- Call with [Relay UK](#) via textphone or app on [0800 500 888](tel:0800500888). FREE phone service for anyone who has difficulty hearing or speaking.
- Visiting our [offices](#) at Wingerworth: 2013 Mill Lane, [S42 6NG](#).

