



Reduce, Reuse, Recycle, Rethink



North East
Derbyshire
District Council

Climate Change Strategy
2022 - 2030



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Foreword

Our aspiration is for our District to be a vibrant and prosperous place to live, work and enjoy life. Finding the balance between economic prosperity, social prosperity and environmental prosperity is key to achieving this.

In July 2019 we declared a climate emergency as we recognise that climate change is one the biggest threats and challenges facing our world, we need to act, lead the way and inspire others to take action. By working together with partners and our local communities we can play our part in achieving the UK's 2050 net zero greenhouse gas emissions target.

As an organisation we need to make better use of our resources, finding more efficient and cost effective ways of delivering our services and carrying out our activities, leading by example and educating ourselves and others so that collectively we can make a difference across the District by developing a lower carbon organisational lifestyle.

We need to explore, identify and embrace existing opportunities, including renewable power and utilising the latest technologies. By moving away from using climate damaging energy sources we can collectively reduce our reliance on fossil fuels, which not only produce harmful and polluting gases but will also become increasingly scarce, and look for cleaner, sustainable solutions. Changing human behaviour is essential in tackling the threat to our planet and securing a sustainable, healthy and prosperous environment for us and for the future.

We are all aware that climate change is already having an impact on people's lives and the infrastructure and ecosystems we depend on, and we need to adapt to these changes and increase our resilience to mitigate their effects.

Our Council is committed to this challenge and the principle of carbon reduction. Following COP27 we, as an organisation, are restating our intention to achieve an 80% reduction in our carbon emissions by 2030. We have shown through the pandemic that we can deal with global emergency and as we come out of this there is a window of opportunity to make a green COVID-19 recovery. This Strategy sets out how we aim to work with our residents, communities, businesses and stakeholders to help the District achieve net zero carbon by 2050.



Cllr Alex Dale
Council Leader



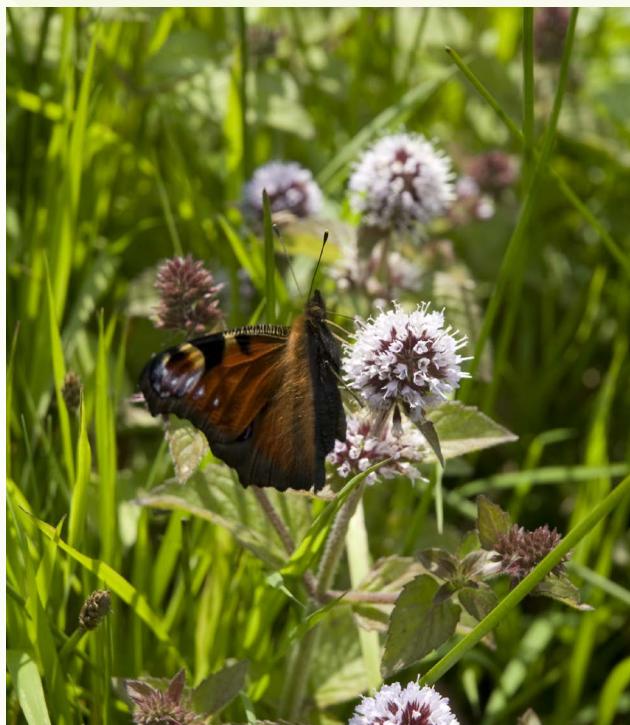
Cllr Jeremy Kenyon
Cabinet Member
for Economy,
Transformation &
Climate



Introduction

Carbon footprint is the amount of greenhouse gas (GHG) emissions associated with an individual, organisation or activity. An increase in climate change gas emissions, and therefore our carbon footprint, is the primary cause associated with climate change and its negative impacts.

Rising temperatures are changing the growing patterns of plants and crops, and sea levels are rising as a result of melting polar ice caps leading to coastal erosion and the destruction of ecosystems. Changing vegetation growth patterns and rising sea temperatures are affecting the feeding patterns of many animals, birds, mammals, fish, insects and other organisms around the world, ultimately threatening their survival and our own food supplies.



Ashover

As countries around the globe set their own net zero targets we need to play our part in contributing to this effort. There is growing global awareness of the effect of our carbon footprint on the planet, along with a widespread appetite to reduce it shared by almost most nations. A reversal of these negative effects upon our planet requires a global effort; however, global change can only happen if individuals, businesses, communities and countries have the will and the opportunity to change.

Carbon reduction is a global issue with a global commitment to address it and everyone can play their part. The shift needed to effect positive environmental changes can generate many benefits and new opportunities such as green industries, jobs and energy security. By applying some simple principles and asking basic questions, solutions can emerge in almost every scenario:

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

Local Authorities are well placed to influence change in our areas by being community leaders, raising awareness about the potential to reduce emissions and by working collaboratively with others to reduce emissions.

The Council will be at the forefront of leading on the changes that are required to protect our present and future communities, businesses, countries and planet:

- through our strategic community leadership role
- through the services that we deliver
- through our regulatory functions
- and by being a major employer.

Our Vision

*The Council's 2019-23 vision is '**A District that is clean and attractive, where people are proud to live and work, where they will prosper and feel safe, happy and healthy.**'*

*The vision of this strategy is '**A District that balances economic prosperity with environmental sustainability, improving the lives of our people and our environment today and in the future.**'*





Policy Drivers

We do not operate in isolation and as the global community increasingly recognises the need to change its behaviour in order to reduce its carbon footprint we will reflect on the best practice and activity identified in other international, national and local policy documents. Particular drivers of our approach are:

- The Kyoto Protocol
https://unfccc.int/kyoto_protocol
- The Paris Agreement
<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>
- COP27
<https://cop27.eg/#/>
- 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 Plan 2019 - 2023
<https://www.ne-derbyshire.gov.uk/documents/plans-policies-and-strategies/council-plan-2019-2023>



Current Emissions and Targets

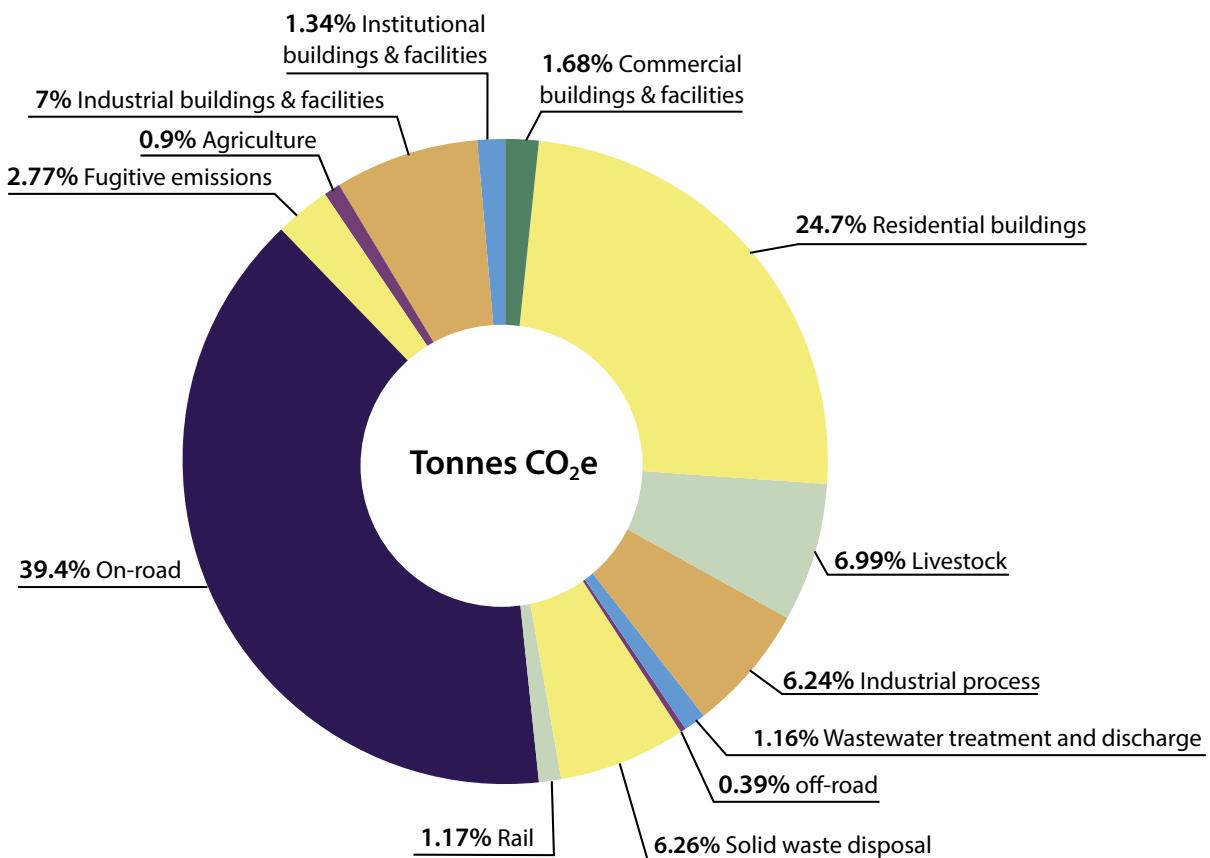
The UK has legal targets to reduce greenhouse gas emissions by 78% by 2035 compared to 1990 levels as set out in the sixth carbon budget and to reduce greenhouse gas emissions to net zero by 2050.

Greenhouse Gas emissions for the District are measured annually by BEIS whose data shows that almost 60% 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) 2018



Source SCATTER

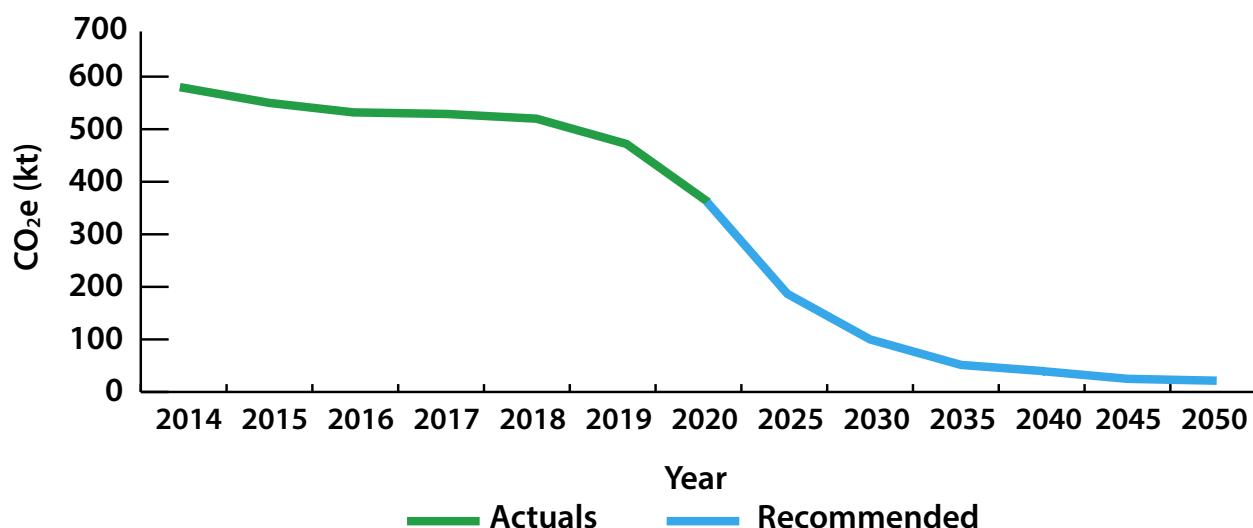
In line with the global carbon budgets set out in the Paris Agreement, under Derbyshire's decarbonisation plans NED District has its own suggested budget for 2018 – 2100 which reflects the District's particular profile and ability to make a fair contribution. This has been determined as follows:

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

Source: Derbyshire Environment and Climate Change Framework

NED District CO₂ Emissions Reduction Actuals and Recommended



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 already permanently removed 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 and Environmental Sustainability Plan

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

The Climate Change and Environmental Sustainability Plan draws 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.

We can 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 emissions reductions, 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 and Environmental Sustainability Plan 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 and Recycling
- 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 Plan 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.





Theme 1 - Operational Practices and Procurement

Context:

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, this Theme is central to our ambition of **Reduce, Reuse, Recycle, Rethink**.

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. Our approach will include:

- **Prioritisation** – It is important to maximise the reductions in emissions with the resource available. To evaluate initiatives we will look at the carbon reduction benefit against the cost of implementation to inform decisions on which initiatives to adopt.
- **Service Plans** – Climate Change mitigation 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.
- **Carbon Awareness** – 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.

- **Project Evaluation** – A cross party Climate Change Group made up of Elected Members and senior officers has been established to advise on environmental matters and will also be responsible for overseeing the Plan and considering new ideas that may be generated.
- **Procurement Policy** – Our policy includes using local contractors for goods and services wherever practicable and expectation of environmental protocols for deliverers of large commissions.
- **Transformation** – Invest in new technology to transform how and where we work, increasing the availability of online services and reduce the need for staff and customer related travel to conduct business.
- **Ongoing** – Developing procedures, policies, frameworks, training and messaging to support this strategy.

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.



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.

technology and practices to gain improved efficiency, reduced operating costs and reduced environmental impact.

- Seek grant funding through LCSF and PSDS to facilitate upgrades on our commercial premises.

Priorities:

- Adopt a fabric first approach to our buildings by insulating and installing 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

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.



NEDDC offices, Mill Lane, Wingerworth



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:

- Undertake regular reviews of our fleet to see how advances in low emissions vehicle technology could be integrated.
- 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.
- Minimise the number of Council vehicles.

- Continue to look at other fuel options such as biodiesel and hydrogen as production and technology advances.
- Encourage staff to travel to work in the most sustainable way.

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.





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. We need to increase generation of renewable electricity (and maybe hydrogen in the future) to allow us to power these sustainably.

All electricity purchased by the Council has been from 100% certified renewable sources since April 2021.

Priorities:

- Investigate opportunities for micro generation and PV installations on Council owned property.
- Support the use of renewable energy including supporting electric vehicle use.
- Support the development of renewable energy sources within the District.
- 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.



Solar panels have been installed on the roof of Eckington Swimming Pool and Fitness Centre



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 are integrated into the Local Plan and wider planning activities.



- Use the development planning process to influence the development of better public transport and cycling routes and look for opportunities to introduce initiatives to promote uptake of low carbon vehicles.
- Influence significant carbon reduction and cost savings in the wider area through the planning process.
- Work with our neighbouring authorities to develop Countywide planning policies to promote low carbon lifestyles.

Challenges:

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



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 a wild planting policy for parks and public open space areas where appropriate.

- Review our open space maintenance programme.
- Investigate plant, tree and hedge planting initiatives for longer term biodiversity benefits.
- Identify opportunities to work with partners on schemes to increase biodiversity.

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.





Theme 7 - Waste and Recycling

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.

Priorities:

- Increase the levels of recycling by residents and businesses.
- Increase the efficiency of processing collected waste, working with DCC and other waste processors.
- Help residents to reduce their levels of waste.



- Embed **Reduce, Reuse, Recycle, Rethink** throughout our communications.
- Use our enforcement powers to tackle environmental pollution and damage such as fly tipping.
- Investigate new recycling opportunities for our residents.



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.



Theme 8 - Housing

Context:

The Council is landlord for over 7,000 dwellings. In addition there are a further 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.



- Home Assistance Co-ordinator visits to residents to assist them in reducing their carbon footprint and reducing their energy bills.
- Work 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 in the occupant requires buy-in and a time investment to explain how the best benefits are achieved.



Priorities:

- Adopt a fabric first approach to our council owned homes to achieve significant carbon reduction and cost savings in the wider area.
- Invest in external wall insulation and heating to improve the energy efficiency of Council and privately owned non-traditional housing stock supported through LAD/HUG grant funding schemes.



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 as having a wide range of locally provided products and services will reduce travel associated with transporting goods, workers and customers.

Priorities:

- Support innovation and growth in our businesses to enable them to reduce their carbon footprint and operate more sustainably.

- Support a more diverse local economy to provide local employment opportunities for more of our residents.
- Promote the maximisation of local leisure opportunities to reduce travel.
- Provide information to raise awareness and advice to promote the opportunities and benefits of the local economy.
- Seek grant funding to carry out redevelopment of our towns and villages.

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.





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 of 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 operations, procurement and enforcement and through campaigns and messaging.
- 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.



Challenges:

The cost of upgrading homes and cars will 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 of impact, and assessing the impact of individual interventions, is crucial to making the most effective decisions.

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

- Fuel consumption (gas, electricity, oil, diesel, petrol etc.)
- Water consumption
- Recycling rates at our sites
- Paper and other consumables
- Procurement effectiveness regarding lower carbon products
- 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
- Business and retail units
- Specific projects can be hard to directly assess, but a 'log' of projects undertaken, and estimated impact, will be maintained.

Influence

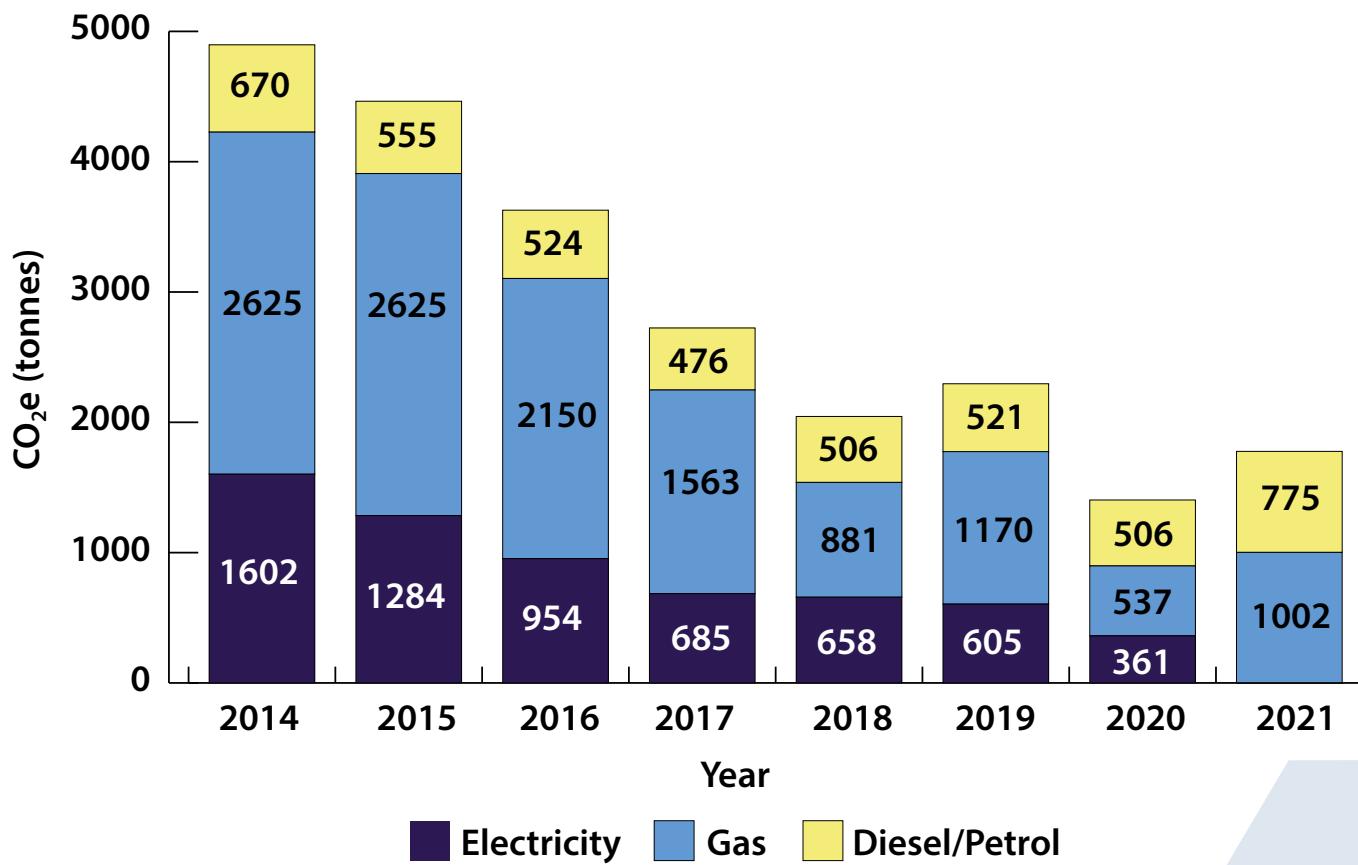
- Local economy
- Local communities
- Policy

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.

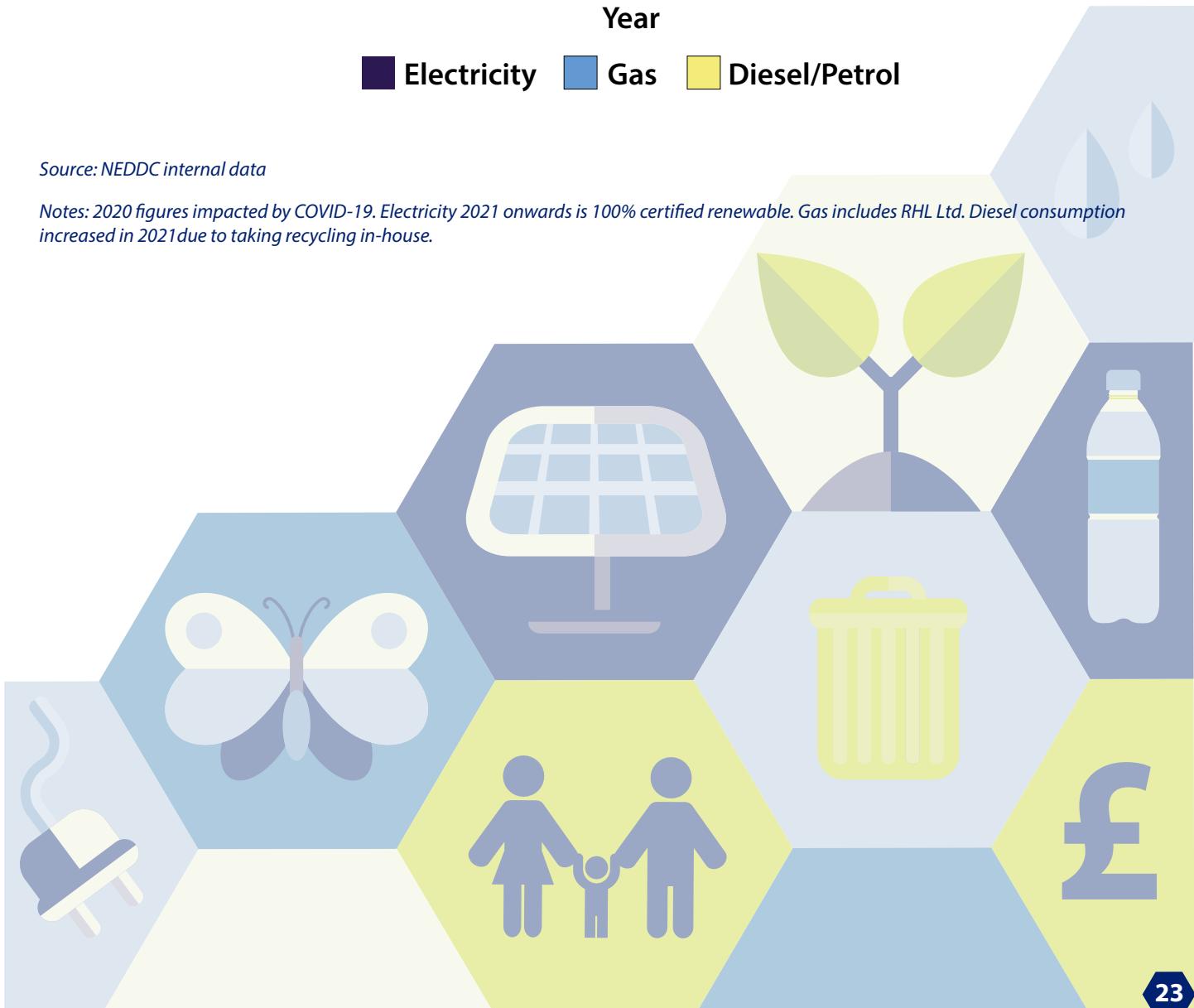
These are mainly suitable for monitoring the Council's fuel usage as this is the only direct emission within our control since we already purchase our electricity from 100% certified renewable providers. We will continue to report on these as required.

NEDDC's Fossil Fuel Consumption



Source: NEDDC internal data

Notes: 2020 figures impacted by COVID-19. Electricity 2021 onwards is 100% certified renewable. 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>

COP27

The COP27 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://cop27.eg/#/>

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/government/uploads/system/uploads/attachment_data/file/693158/25-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>

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://www.gov.uk/government/publications/the-ten-point-plan-for-a-green-industrial-revolution>

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 2019 - 2023

The Council Plan 2019 – 2023 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/documents/plans-policies-and-strategies/council-plan-2019-2023>

Annex B - Glossary

Glossary

ALMO	Arm's Length Management Organisation	NOx	Nitrogen oxides (NOx) are a group of gases that are mainly formed during the combustion of fossil fuels
ASC	Available Supply Capacity	RHL	Rykneld Homes Ltd
BEIS	Department for Business, Energy and Industrial Strategy	SCATTER	Emissions tool to help create low-carbon Local Authorities
BEV	Battery Electric Vehicle	Tyndall Ctr	Partnership of universities bringing together researchers from the social and natural sciences and engineering to develop sustainable responses to climate change.
BIU	British Independent Utilities	ULEV	Ultra-Low Emission Vehicles
BREEAM	Global sustainability assessment method for master planning projects, infrastructure and buildings	WRAP	Waste and Resources Action Programme
CO ₂	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.		



Annex C - Sources

BEIS UK GHG emissions

<https://www.gov.uk/government/statistics/final-uk-greenhouse-gas-emissions-national-statistics-1990-to-2019>

Department for Transport -Transport and Environment Statistics 2021 Annual report

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/984685/transport-and-environment-statistics-2021.pdf

GHG reporting conversion factors

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2020>

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](#).

