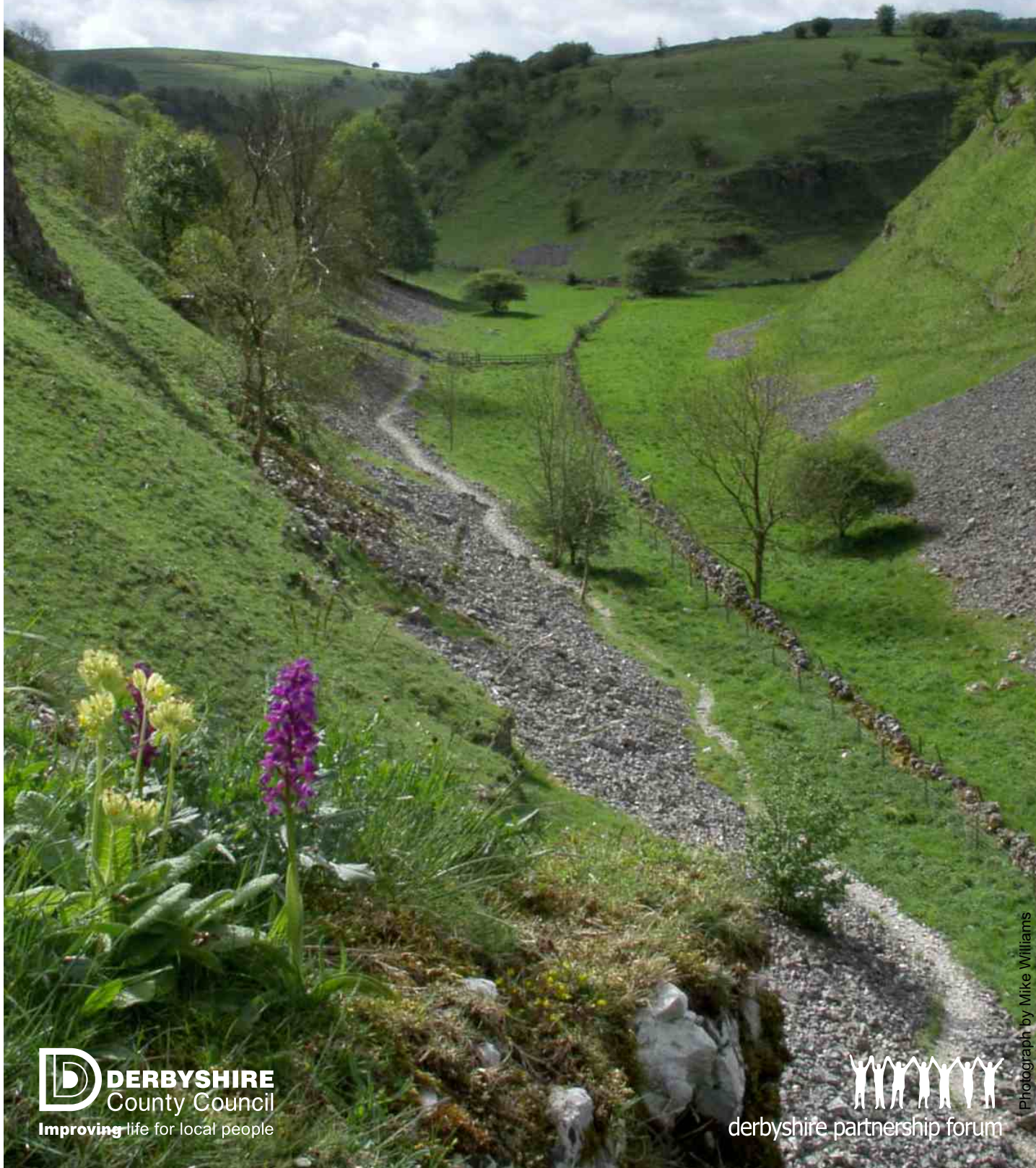


Derbyshire Climate Change Charter 2014 - 2019



The Derbyshire Partnership Forum Climate Change Group comprises:



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Foreword

Derbyshire County Council is pleased to present its first Climate Change Charter. This document sets out how we intend to progress the climate change agenda in Derbyshire throughout the period 2014-2019. The Climate Change Charter builds upon the excellent work already being undertaken by the council in its efforts to reduce its emissions and lessen the effects of climate change. It will help us to continue and improve on the work we have already done and will also contribute to national targets of reducing our greenhouse gas emissions by 80% by 2050.

The Charter has been developed in conjunction with the Derbyshire Partnership Forum (DPF) to allow a wider community action plan to be developed. The aim is to encourage and enable the businesses and communities of Derbyshire to do their bit for the environment and help us all to reduce our carbon footprint thus protecting future generations from the hazards of climate change.

Vision

Tackling climate change is one of the major challenges for the 21st Century. This Charter sets out our ambition for cutting carbon emissions and preparing our County for the effects of climate change. We cannot do it alone, every organisation and individual in our County can contribute by reducing their impacts. Derbyshire County Council is committed to this agenda and is making Derbyshire a fantastic place to live in today, tomorrow and for generations to come.



Anne Western
Leader of the Council,
Derbyshire County Council.



Ian Stephenson
Chief Executive,
Derbyshire County Council.

Why Have a Climate Change Charter?

Our local climate is changing, it's becoming less stable and on balance the evidence suggests that man-made climate change is responsible.

The Intergovernmental Panel on Climate Change stated in its fifth assessment report that, *"Human influence has been detected in warming of the atmosphere and the ocean, in changes in the global water cycle, in reductions in snow and ice, in global mean sea level rise, and in changes in some climate extremes. This evidence for human influence has grown since Annual Report 4. It is extremely likely that human influence has been the dominant cause of the observed warming since the mid-20th century."*

We have all experienced the extreme weather events of recent years. The media have graphically shown the effects of major flooding, traffic chaos in heavy snowfall and empty reservoirs in summer droughts.

These extreme weather events are going to happen more frequently and how we prepare, adapt and respond is going to be a significant challenge.

The UK Government response to climate change has been expressed through a number of vehicles: national planning policy, the Energy White Paper and the UK Sustainable Development Strategy ('Securing the Future'), as well as through business taxation policies e.g. the climate change levy.

The Climate Change Act 2008 set a legally binding target for reducing UK carbon dioxide emissions by at least 80% by 2050, compared to 1990 levels. The Act:

- Requires the Government to publish five yearly carbon budgets as from 2008-2012.
- Places a duty on the Government to assess the risk to the UK from the impacts of climate change.
- Provides powers to establish trading schemes for the purpose of limiting greenhouse gas emissions, which have resulted in the introduction of the Carbon Reduction Commitment.

The UK Government has recently published a White Paper entitled 'The UK Low Carbon Transition Plan', which sets out a national strategy for climate and energy. This includes a plan to deliver emissions cuts of 18% on 2008 levels as the first stage towards achieving the 80% reduction by 2050 that had already been announced.

The council recognises the legal requirement placed on authorities to contribute towards the targets set out. Efforts to reduce carbon emissions and adapt to changing conditions in Derbyshire have been underway for many years with some success; however we need a whole range of actions to help us to continue to minimise the impacts that climate change will have on our communities now and in the future.

The Derbyshire Climate Change Charter has two main aims:

1 To provide a Derbyshire wide ambition and course of action to tackle climate change based on six key priority areas. This will be done by:

- * Identifying and developing specific actions to be taken to reduce the risks associated with negative climate change impacts and build countywide resilience to these impacts.
- * A Climate Change Action Plan will be developed across the six key priority areas in the Charter.
- * The Climate Change Action Plan will be developed and delivered through partnership working and the development of joint initiatives. This approach acknowledges that in order to tackle climate change issues; no single organisation can do this in isolation.
- * Enable partnership working to identify and take advantage of the positive effects of climate change.
- * Help organisations, businesses and communities to understand their impact on climate change and their contribution towards reducing that impact.

2 To provide, our communities, our members and partners with a single point of reference for climate change action happening both within the Council and across the County.

- * Action on climate change has been happening for many years and carried out in many different ways, much of which goes unrepresented. This Charter aims to link all the hard work together and provide a starting point and information hub for all to use.
- * It is expected that the Charter will grow and evolve over time to reflect changes in the climate, technology and available resources.
- * The Charter will be an online based document that will be accessible to businesses, community groups and individuals. This will allow for sharing of ideas, avoid duplication and encourage collaborative approaches to tackling climate change.

Derbyshire County Council will support the on-going development of the Charter and future action plans that will arise. The Council also recognises the need for a long term approach to tackling this issue by seeking member commitment for the Charter and the priority areas highlighted within.

Progress against actions that will be delivered via the Climate Change Action Plan will be monitored and kept under regular review. This will inform an annual review of the Charter and its ambitions.

SECTION 1: Climate Change and How it Affects Derbyshire

1.1 Derbyshire's Changing Climate

According to UK Climate Projections (UKCP09) by 2050 Derbyshire could experience summer mean temperatures which are 2.5°C higher than today, summer rainfall could decrease by 16% and winter rainfall could increase by 14%. By the 2050s eastern and central England could have irrigation needs similar to those currently seen in Central and Southern Europe.

Average temperatures have increased by 1 - 1.7°C in the UK since 1960. Summers have become hotter and drier whilst winters have become milder and wetter. The Intergovernmental Panel on Climate Change (IPCC) suggests that by 2100 average global temperatures could be around 2°C - 6.5°C warmer than 1990 levels.

If emissions continue to rise, and we experience significant climate change, Derbyshire may experience the following:

- Extreme events such as droughts and heavy rainfall, leading to disruption to natural and man-made habitats.
- Communities across the UK may struggle to cope with the effects of warmer summers and wetter winters.

Derbyshire's Local Climate Impacts Profile (LCLIP) which covers the period 2000-2010 was carried out to further understand the county's vulnerability to severe weather events. A range of impacts and consequences were experienced across the County including heavy rainfall/flooding, high winds, heat waves and droughts, and heavy snowfall.

1.2 Derbyshire's Response to Climate Change

1.2.1 Mitigation

Across Derbyshire work to reduce carbon emissions has been on-going for many years. Emissions estimates made available from the Department of Energy and Climate Change show that in 2005 Derbyshire CO₂ emissions per capita were 13.1 tonnes. In 2012 this figure had fallen to 10.8 tonnes. Whilst this is a positive move forwards, it's important to highlight that emissions actually increased from 10.6 tonnes in 2009 to 11.2 tonnes in 2010 and again a rise has happened from 10.7 tonnes in 2011 to 10.8 tonnes in 2012.

These figures show that much more needs to be done if we are to reduce emissions by 80% by 2050.

Figure 1: Derbyshire CO2 emissions (tonnes per capita 2005-2012)

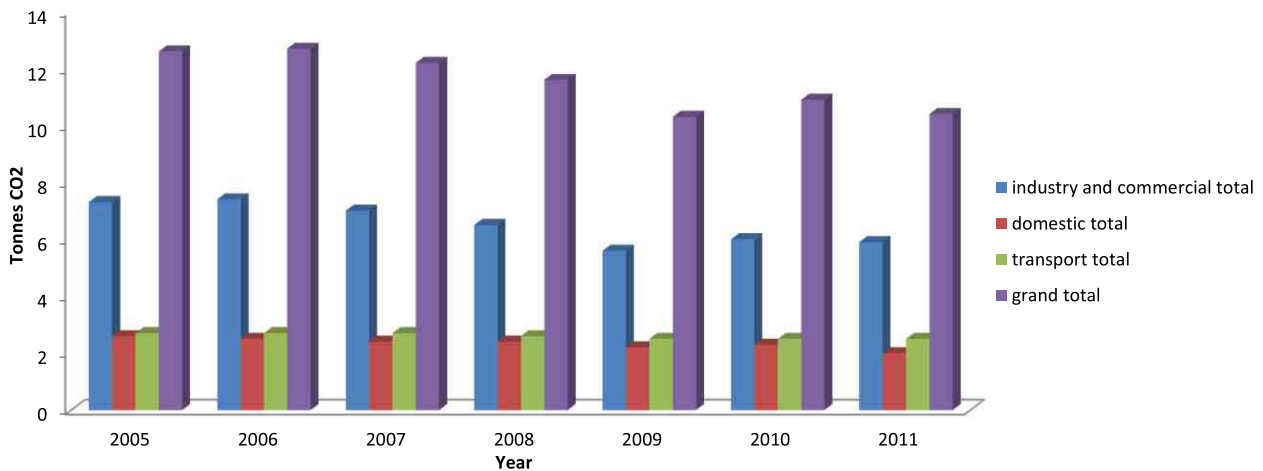


Figure 1 also highlights that the industrial and commercial sector creates more CO₂ than the domestic and transport sectors put together. So it is imperative that Derbyshire finds ways to tackle industrial and commercial emissions in conjunction with reducing emissions from the domestic and transport sector too.

1.2.2 Adaptation

Following completion of the Local Climate Impact Profile, Derbyshire County Council has completed, or is working towards, a number of actions. We have:

- Carried out comprehensive risk assessments of all service areas against future UK climate projections to identify the risks posed to them by climate change and the actions required to reduce them.
- Produced an Adaptation Action Plan outlining the main risks and actions to Derbyshire County Council services.
- Included adaptation considerations in the Derbyshire Local Transport Plan to increase resilience of the transport network in a changing climate.
- Supported Derbyshire District Councils in identifying climate related risks and adaptation measures.

SECTION 2: The Derbyshire Climate Change Charter

2.1 Six Priority Areas:

This section of the Charter is designed to highlight key climate change action priorities that affect the Derbyshire community as a whole. The aim is that by working in partnership through the DPF, businesses, community groups, voluntary organisations and other groups begin to think about what climate change will mean to them; will alter the way they operate in the future and look at the actions they can take to reduce the risk of any negative impacts.

The best approach will come from the sharing of ideas and actions. Working together to show that we have thought about climate change in business strategies and plans and the way in which we run our organisations will get us to our carbon targets and reduce the risk of impacts from the downside of climate change.

The following six priority areas will inform an action plan that will be developed by the DPF. These six areas are already embedded into Derby City's Climate Change Strategy. By establishing the same priority areas in this Charter it will allow a more joined up approach to mitigation and adaptation across Derbyshire as a whole. By working towards the same priorities we will create more opportunities to collaborate on projects, develop strong resilience to climate change across Derbyshire and enable Derbyshire to contribute to national targets more effectively.



2.1.1 Community Climate Action

Education and raising awareness are the first essential steps in tackling climate change. There is an increasingly urgent need to increase knowledge about the issue and build capacity to take action amongst all sectors including the government, public sector, businesses, communities and individuals.



This website has been developed for the Nottinghamshire and Derbyshire Local Authorities' Energy Partnership (LAEP) to raise awareness about climate change and encourage individuals to take positive steps towards a low carbon lifestyle.

This online awareness raising campaign began in 2007 and was developed to help people think about the environmental impacts they have and shift their attitudes towards making a positive change to reduce those impacts. Key messages of the campaign are delivered using the website, and a purpose built 'fantastic homes' vehicle. The first year saw over 10,000 pledges made to take on various behaviour changing actions, 120 community groups were reached and the website had over 500,000 hits. The site continues today and over 20,000 pledges have now been signed. The site also now provides news and information on community events, advice on energy efficiency improvements that can be made to homes, help with understanding the Green Deal and Energy Company Obligation (ECO) plus dedicated pages for community groups and schools.

Derbyshire Eco Centre



The Derbyshire Eco Centre is the county hub for courses and activities for adults and families focussing on education for sustainable development. It supports Derbyshire County Council's work to address climate change issues. It promotes creativity through the arts, and teaches skills to help conserve the natural world and to live healthy lifestyles.

The Eco Centre Exchange is a place to share ideas and expertise around learning for sustainability. It forms a link between the Derbyshire Eco Centre and all those people who are involved in promoting sustainability learning.

Ambition

Tackling climate change is something in which we can all participate. The Derbyshire Partnership Forum has an important role to play in furthering education and awareness raising. As part of its community leadership role it will:

- Work together with other partners to find innovative ways to raise awareness of climate change in Derbyshire.
- Work with local communities to provide them with up to date advice and guidance on ways to reduce their environmental impacts.
- Champion community learning that inspires lower carbon lifestyles, and develops the skills to respond positively to a changing climate.
- Recognise the fantastic work already being done by local community organisations such as Transition towns and Sustainability groups, and work with them to develop locally led initiatives that will contribute towards climate change mitigation and adaptation across Derbyshire.

2.1.2 Sustainable Economy and Food for Derbyshire

Much of Derbyshire's economic development work is developed in conjunction with the Derbyshire Economic Partnership and at sub regional level with the Local Enterprise Partnerships. Together we are committed to improving the economy of Derbyshire, through sustainable developments. Our key objectives are:

- to enhance the quality of life of our communities.
- to support local businesses.
- to create the climate and environment for investment.
- to maximise external funding.
- to create jobs for local people.

Derbyshire and Nottinghamshire Chamber of Commerce and the Local Enterprise Partnership (D2N2). D2N2 has the aim of supporting business and creating jobs and training opportunities in the emerging low carbon/clean technology sector. This economic activity seeks to reduce carbon through products and services. The low carbon plan forms a key component of the wider Local Enterprise Partnership (LEP) Growth Plan and will be the strategic framework against which funding from the Single Local Growth Plan will be secured from Government and future investments will be made.

Ambition

Collaboration with the University of Derby and Derby City Council will see key areas of this agenda investigated, and notable opportunities for support identified. These will include:

- Renewable energy technologies.
- Sustainable transport opportunities.
- Identification of the gaps in Derby and Derbyshire regarding the existing low carbon activity.
- Potential to support Small Medium Enterprises (SMEs) with growth and innovation.
- Facilitating knowledge exchange.
- Development of purchasing and supply chains.
- Further research in the area e.g. into the potential for growing 'green' businesses.

We will also continue to support the work of the Local Enterprise Partnership in their aim of supporting businesses, creating jobs and training in the emerging low carbon sector.

Food

Food is essential to everyday life but the way much of the food we rely on is produced, distributed, sold, consumed and wasted is damaging to our health our communities and the environment. This current system is not sustainable for the future and as food links into many of the challenges we face around poverty, health, economic development, waste and climate change we need to find a more sustainable approach.

Derbyshire has a diverse, rich and vibrant food culture that contributes to economic prosperity, and generates employment, so it's vital that we support and encourage businesses to operate more sustainably so that they can continue to contribute to the local economy and provide employment.

Ambition

- The Derbyshire Partnership Forum will work towards an integrated approach to sustainable food development and will seek to gain advice and guidance from leaders in the development of a sustainable food system for Derbyshire.
- The partnership will also continue to support the work currently underway by local community food groups and local businesses that are developing more sustainable approaches to their operations.
- Derbyshire County Council will lead by example and will investigate options to become a Fairtrade council.

2.1.3 Sustainable Travel and Transport Across Derbyshire

"Good transport is a vital factor in building sustainable local communities. It contributes to the achievement of stronger and safer communities, healthier children and young people, equality and social inclusion, environmental objectives and better local economies." *Department for Transport, Local Transport Plan Guidance 2009.*

With the economic and environmental challenges we face, the need for effective transport planning at local level is as important as ever. This Local Transport Plan (LTP) is a significant part of delivering the new localism agenda, as local transport services are at the heart of all other public services, and our daily lives.

Transport goals and challenges

The most important transport goals for Derbyshire people are supporting a resilient local economy, better safety, security and health, improving the quality of life and promoting a healthy natural environment. We must also endeavour to work towards better energy security, and promote equality of opportunity. Through local surveys, we have jointly identified a whole range of challenges we face in aiming to achieve these goals. It is these challenges that have guided content of the plan.

Environmental issues

Environmental issues are important with, for example, the Peak District National Park and Derwent Valley Mills World Heritage Site within Derbyshire. In developing the plan, we have carried out environmental assessments based on different ways of achieving our transport goals, looked at their environmental implications, identified a preferred option, and incorporated the environmental measures we need to adopt within the plan.

No big story

There is no big story - the plan is made up of a great many planned activities covering well maintained roads and rights of way, efficient transport network management, improving local accessibility and achieving healthier travel habits (such as walking and cycling), and the importance of taking a considered approach to new infrastructure. The methods include transport schemes and services, influencing travel behaviour, and land use planning. By using all these methods, we will get the best value for money overall.

Local support for the plan

Local consultation has shaped the plan, and many local organisations have expressed

support for it. Based on the plan, we are developing an investment protocol to clarify where resources need to be allocated over the plan period. Importantly, we will be placing a bid through the Local Sustainable Transport Fund to support economic growth whilst also cutting carbon emissions, an approach which also helps air quality, health and the environment.

Ongoing process

The plan is not just a written document which marks the end of the process - it is part of an ongoing process. Having defined our policies for the promotion and encouragement of safe, integrated, efficient and economic transport, and made it clear what we need to achieve, we will continue to work with local organisations and people to decide on the best things to do, based on local evidence. We will also monitor the plan and keep it under review.

Transport choices

As the Local Transport White Paper (January 2011) emphasised, *"investment on its own is not enough - we also need to help people to make transport choices that are good for society as a whole."* Foreword from LTP 3.

A summary of Derbyshire's transport challenges for tackling climate change are:

- Reducing greenhouse gas emissions through new technologies and cleaner fuels, energy efficiency measures, and encouraging 'smarter choices' of car sharing, using public transport, cycling, walking and reducing the desire to travel.
- Predicting and coping with the potential disruption of extreme weather events to the transport network.
- Continuing to raise awareness of the issue of climate change and promote what Derbyshire people, organisations and businesses can do to help.
- Achieving lower carbon commuting for all.
- Assessing flood risk in Derbyshire, and ensuring future transport infrastructure developments and maintenance interventions do not increase flood risk.
- Change-resilient design and maintenance strategies.
- Maintenance of vegetation which has a longer growing season.
- Event management to reduce private car use.

Ambition

The Derbyshire Partnership Forum will continue to support the joint working arrangements in place with:

- Sheffield City Region.
- Local Enterprise partnerships.
- 3 Counties Alliance and Midlands Highway Alliance.
- Derby and Derbyshire Road Safety Partnership.
- Accessibility and Community Rail Partnerships.

Alongside this Derbyshire Partnership Forum is well placed to support the County Council in developing potential CO2 reduction initiatives such as:

- Sustainable Travel Town Initiatives including a full package of measures to promote and encourage more sustainable transport.
- Business Travel Planning to include encouraging lower carbon HGV technologies.
- Encouraging walking and cycling, creation of viable cycle networks which link to the wider Greenway network throughout Derbyshire, and promotion and marketing of networks, including production of maps.
- Provision of cycle training for adults if required.
- Smarter driving campaign, with its potential for provision of discounted smarter driving training.
- Vehicle type and fuel choice campaign - awareness raising campaign, including providing up-to-date information regarding outlets selling alternative fuels.
- 'Transport Choices' education campaign to be investigated.

2.1.4 Energy Efficient Homes Across Derbyshire

Each district/borough Council in Derbyshire has a statutory duty to report to central government on how it is helping residents to reduce carbon emissions and develop more energy efficient homes. The Home Energy Conservation Act (2013) requires all housing authorities to report every 2 years on the progress they are making.

In Derbyshire positive work is also being carried out via the Nottinghamshire and Derbyshire Local Authority Energy Partnership (LAEP). The LAEP is a non-statutory partnership of all 20 councils across Nottinghamshire and Derbyshire. The LAEP was formed in 1996 in response to drivers such as the introduction of the Home Energy Conservation Act 1995 and increasing awareness of the impact of fuel poverty across the two counties.

Partnership activities are delivered via a membership service and a communications service paid for via subscription and provides an excellent model of how councils can work together for mutual benefit. Councils benefit from support, information and communication services and collaborate on carbon reduction, affordable warmth and sustainable energy projects, sharing expertise and best practice.

In January 2013 the LAEP was awarded funding of **£2.16m** by the Department of Energy and Climate Change (DECC) following a competitive bidding process to recognise those local authorities with ongoing and ambitious plans to address the causes of fuel poverty.

The LAEP successfully delivered **729 energy efficiency measures** to households across Derbyshire and Nottinghamshire. Of those:

- 511 'G' rated boilers were replaced with 'A' rated boilers.
- 143 new heating systems were installed.
- 85 properties received loft and/or cavity wall insulation.
- Many properties received enabling works.

In addition:

- 36 boilers and heating systems were repaired.
- 2 renewable energy systems were installed in off gas properties.

692 properties received improved heating systems, costing householders less to run and improving the comfort of their homes. An inefficient 'G' rated boiler may cost as much as £300 per year more to run than a modern 'A' rated boiler. Only 12% of homes received improvements to their loft or cavity wall insulation as many properties had already had these works carried out under previous schemes.

In total, these measures translate into energy bill savings for householders in the region of £220,000 per year. This equates to approximately 7140 tonnes of CO₂ per year.

In addition to the Fuel Poverty Project DECC awarded the LAEP funding in January 2013 to recognise four local authorities willing to pioneer the effectiveness of the Green Deal and test innovative targeting and marketing techniques on different house types. Chesterfield Borough Council and Amber Valley District Council were chosen from Derbyshire.

£227,400 of revenue funding was mainly allocated to staff resourcing (co-ordinating and managing projects, IT support, customer analytics, promotional activities, stakeholder engagement) and payments to Green Deal Assessors to provide free Green Deal Assessments and Plans to generate interest.

Ambition

The Derbyshire Partnership Forum will support the LAEP on a number of specific projects. The following LAEP led initiatives will be delivered during 2013-2015:

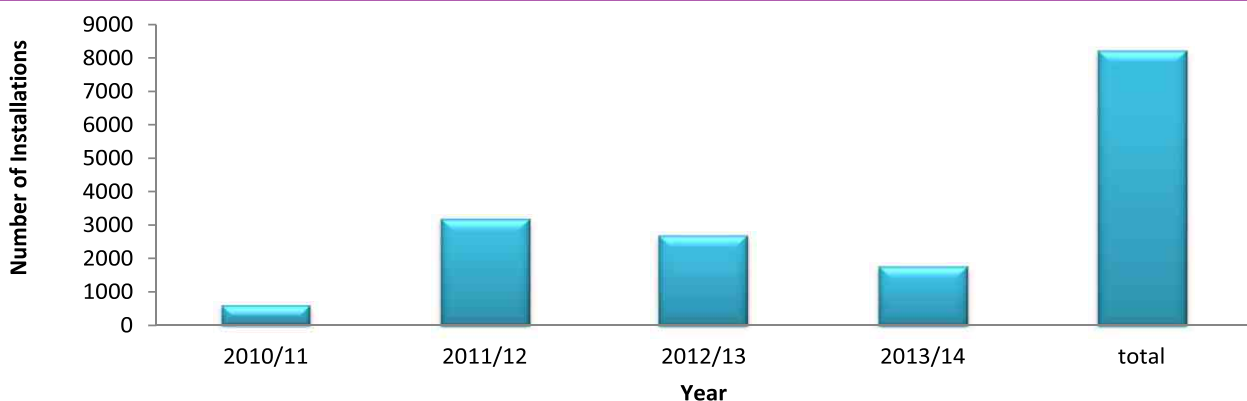
- Develop targeted affordable warmth programmes with Derbyshire Public Health and the NHS to address winter warmth issues amongst vulnerable residents.
- Seek government, ECO and other funding for private sector home improvement schemes.
- Continue to deliver advice and information to householders about ways to save energy and tackle climate change.
- Engage community groups through the Community Climate Action Network.

2.1.5 A Secure, Local and Renewable Energy Supply

As gas and electricity prices increase and the market becomes more volatile it is important that Derbyshire develops a resilient decentralised energy supply made up of local and renewable sources of heat and power.

Working together with businesses, communities and partners to identify and develop potential local energy sources will be the only way to ensure Derbyshire residents have a secure energy supply that is more affordable and protected than current fossil fuel supplies.

Figure 2 Feed-in Tariff Installations across Derbyshire 2010-2014 (Domestic, Commercial, Industrial and Community)



Renewable energy sources were growing across the County since the introduction of feed-in tariffs for electricity generation; in 2010/11 the number of installations across Derbyshire was less than 1,000 but increased to over 3,000 in 2011/12. However, as tariff levels have dropped, so too has the rate of installation. The domestic renewable heat incentive will further encourage residents and developers to invest and incorporate renewable heat technologies into their homes that will reduce their need for expensive fossil fuels.

Ambition

- Better cooperation with businesses, communities and partners will be the key to identifying and developing local energy supplies. By working in partnership this will also enable a greater understanding of 'potential' sites and their capacity to produce energy.
- Enabling the municipalisation of energy services by actively facilitating collaboration and joint delivery programmes via the Association of Public Service Excellence (APSE) facilitated Local Authority Energy Group.
- Continue to support the development of D2N2 Smart Energy Communities Plan and the reference group being facilitated by the Local Authorities Energy Partnership. This will ensure local authorities and community groups will be aware of funding and opportunities for low carbon activities and projects as they arise.

2.1.6 Preparing Derbyshire for a Changing Environment

As Derbyshire's climate changes it's important that the County can plan and respond proactively to climate change events.

Much work has already been done around understanding what future weather events may affect Derbyshire, and this has allowed for an Adaptation Action Plan to be developed across the County.

Climate East Midlands

Since 2009 Climate East Midlands has brought together a range of organisations that have responsibilities for tackling different aspects of climate change. Acting collectively means that a more co-ordinated and coherent approach can be developed, which also adds value to our own work. More importantly, it provides a single public face for climate change action in this part of the country and a better service to our customers.

Derbyshire Local Resilience Forum - Derbyshire Prepared

Disseminating information and advice to residents is vital to ensure people are equipped with the right knowledge and information to enable them to deal with a severe weather event. The Derbyshire Prepared Website was set up for this purpose.

DERBYSHIRE PREPARED



A website dedicated to providing residents with information and advice to help them to better prepared if there was an emergency in the County. If an emergency occurs, the website publishes information about what is happening, how the incident is being dealt with and by whom, and how you can help to protect yourself.

If you run a business there is advice on what you can do to help your business survive if you were affected by a fire, flood, storms, theft, fraud or vandalism.

It also contains the Community Risk Register, which lists possible risks, their probability of occurring and potential impact, and the control measures in place. It is on this website that you can view the flood contingency plan that has been developed by the emergency planning division at Derbyshire County Council.

Ambition

The Derbyshire Partnership Forum will continue to support:

- Climate East Midlands in their work to tackle different aspects of adapting to climate change.
- Assist where appropriate in the development of adaptation indicators for the area and develop 'local adaptation indicators' to provide a useful local picture of adaptation issues.
- Disseminate adaptation information to partners, businesses and communities.
- Promote the Local Resilience Forum in particular the advice and information available to residents and businesses to help them protect their properties and plan for flooding and other severe weather events.

2.2 The Role of the Derbyshire Partnership Forum

The Derbyshire Partnership Forum is the countywide local strategic partnership, and was established in 2000. The DPF brings together over 60 public, private, voluntary and community sector organisations who work together to improve the quality of life for the people of Derbyshire.

The DPF is perfectly positioned to facilitate working on climate change issues and to influence and encourage key sectors in the reduction and avoidance of emissions as well as take action to adapt to climate change.

2.3 Climate Change Action Plan

As part of this long term commitment to tackle climate change, the Derbyshire Partnership Forum will develop and implement a Climate Change Action Plan based around the key priority areas highlighted within this document. With an existing Climate Change Working Group already in place, the partnership will be able to develop and implement a focused action plan that will help to cut carbon emissions across Derbyshire and build resilience to the impacts of climate change.

2.4 Monitoring and Review

This Charter will be annual updated to take into account any changes in the council's activities and new regional, national and international developments. The Charter will be reviewed every 5 years to reflect on efforts and achievements and set new goals and challenges for the County to take forward into the next 5 years.

2.5 Climate Local

Climate Local is a Local Government Association (LGA) initiative, supported by the Environment Agency Climate Ready service, to drive, inspire and support council action on climate change. Launched in June 2012, it aims to support councils both to reduce carbon emissions and to increase resilience to a changing climate. The initiative is the only one of its type in England and is the successor to the former Nottingham Declaration on Climate Change.

Climate Local supports local authorities in the following ways. It:

- Provides a platform owned and led by councils, to promote activity on climate change and demonstrate leadership locally and nationally.
- Supports local authorities to share good practice and identify other authorities undertaking similar initiatives, to support joint working and the sharing of experience and ideas.
- Provides practical tools and advice to councils on climate change issues.
- Raises the profile of carbon reduction and adaptation nationally.

As of April 2014, 87 local authorities have signed up to Climate Local. Getting involved is helping councils across the country to capture the opportunities and benefits of action on a changing climate, through saving on their energy bills, generating income from renewable energy, attracting new jobs and investment, reducing flood risks and managing the impacts of extreme weather.

Derbyshire County Council will sign up to Climate Local on behalf of Derbyshire's Local Authorities and will provide the reporting mechanism required by Climate Local based on the progress made through the Derbyshire Climate Change Charter. This will be done on an annual basis.

SECTION 3: Derbyshire County Council Action on Climate Change

3.1 Emissions Reduction

As a local authority, we emit greenhouse gases as part of our day to day operations, including delivering our services. Most of this is in the form of CO₂ from heating and lighting our buildings, running our equipment, including computers and travelling around the County delivering our services, either using our fleet vehicles or via business mileage.

We also produce other greenhouse gas emissions such as nitrous oxide which comes mainly from central heating boilers and car exhausts, and methane from landfill sites. Derbyshire County Council is committed to reducing its reliance on the use of natural resources, helping to mitigate against climate change; and potentially reducing energy costs to help provide better value for money. We will do this by;

- Delivering good energy and water management to all corporate properties and schools.
- Effective monitoring and targeting of energy and water consumption.
- Promoting energy efficiency and behaviour change.
- Delivering property related carbon reduction projects.
- Developing our own low and zero carbon energy sources.
- Advising and supporting Corporate Property on energy and climate change related policy and legislation.
- Continuing to support and work with external partners.

3.1.1 Buildings Facilities and Energy Management

The Carbon and Energy Management Team are undertaking a number of projects that will help improve the quality of energy consumption data, improve the energy efficiency of council buildings and looking at opportunities for the council to generate its own sustainable energy. All of which are contributing to our commitment to reduce carbon emissions by 25% by 2015.

• Automatic Meter Readers (AMR)

AMR's have been installed to electricity and gas meters at corporate sites. These devices submit meter readings directly to the energy suppliers, enabling accurate invoicing and therefore helps set appropriate energy budgets. AMR is also being installed in schools throughout Derbyshire that have previously expressed an interest in it and work will continue to encourage more schools to improve their energy management through better monitoring.



• Carbon Reduction Initiative Fund

£500,000 capital investment has been allocated from the 2012/13 Corporate Capital Programme to fund energy efficiency projects on an 'invest to save' basis, whereby the savings resulting from reduced energy consumption will pay back the investment whilst also cutting CO₂ emissions. These projects will include new, more efficient lighting, fenestration improvements (draught proofing) and insulation. Through these improvements we are looking to save around 500t/CO₂ from Council buildings. To date, the fund has financed the replacement of inefficient lighting in bus shelters across the County with more efficient LED lighting and many corporate sites have been surveyed which has identified large opportunities for installing LED lighting in office spaces.

• Solar Photovoltaic (PV)

The installation of solar PV on suitable council buildings is planned as part of a £500,000 investment in renewable energy. The panels, which use sunlight to generate electricity, will reduce the amount of electricity used from the grid, helping to reduce energy bills and carbon emissions. The electricity generated by the solar PV panels will also be eligible for additional income through the Feed in Tariff (FiT). To date, solar PV has been installed at Dove Holes Business Unit, Chesterfield Library and Shipley Country Park Visitor Centre.



3.1.2 Travel and Transport

Reducing grey fleet (employee travel in their own vehicles)

To reduce the number of miles our staff travel in their own vehicles, we are:

- Installing video conferencing around the County and running a large scale, cross-department pilot of Skype.
- Planning to reduce the mileage threshold for the use of hire cars. The Council has no control over the type/emission levels of vehicles in the grey fleet but by increasing the use of hire cars, which are modern and generally have lower CO2 emissions, we are contributing towards CO2 reduction.
- Looking to introduce pool cars for all staff (a limited number already have access to them). Any cars chosen would have a high safety rating and low emission levels.
- Providing the Smarter Travel Board departmental representatives with mileage data for them to review and challenge their overall departmental mileage.
- Providing a small pool of bicycles at County Hall for staff to use on local journeys, and also promoting to staff that if they use their own bicycle for business journeys they can claim 20 pence per mile.



Making our core fleet more efficient

Our core fleet vehicles are essential for us to deliver services so we are:

- Looking to reduce the number of vehicles in the fleet when services are reduced or redesigned.
- Installing a vehicle management system into fleet vehicles which will provide accurate data on CO2 emissions and vehicle use.
- Challenging the use of hire vehicles and ensuring they are only kept for the minimum of time to meet fluctuating service need.
- Looking at where services in different departments can share vehicles, such as minibuses and vans, to fully utilise them and reduce the fleet.
- Specifying that any new vehicles purchased have relevant eco technology.

Managing non-employee travel

- Making the best use of transport provided to the public and service users through reviews to make the most efficient use of the limited resources available and routes taken.



Helping staff to travel to and from work more sustainably

Our Miles Better staff travel plan encourages staff to travel to work more sustainably, this includes:

- Managing the car share scheme and promoting the use of car share - this takes vehicles off the road, therefore reducing emissions and congestion.
- Promoting the Cycle to Work scheme and installing bike shelters at appropriate sites.
- Providing discounted tickets for public transport journeys and interest free loans to staff purchasing public transport season tickets.
- Providing bespoke journey planning for staff and promoting sustainable travel options when accommodation moves take place.



3.1.3 Waste Management and Resources

Waste produced within the council

The council seeks to reduce, reuse and recycle any waste that it produces through the following principles:

- Avoid producing waste in the first place; e.g. always print double sided on a printer, only upgrade or replace items when they stop working rather than because there is a newer or 'better' model, such as street light bulbs that are now allowed to burn to extinction.
- Reduce the amount of waste - buy goods that have minimal, but appropriate, packaging, goods and equipment that have long life spans and can be repaired. Planning well to minimise waste. Hiring, leasing, sharing or swapping rather than buying new.
- Re-use waste e.g. aggregates in construction and reusing furniture and equipment whilst they still have a useful life.
- Recycle and compost as much waste wherever practicable as part of everyday good waste management practices.

Waste produced by the public

Derbyshire households produce around 348,000 tonnes of household waste per year - that's enough to fill 124 Olympic size swimming pools. The good news is that households are throwing away less waste than they used to as well as recycling and composting more.

However, there is still around 190,000 tonnes of waste being thrown away every year. Half of which could have been recycled or composted.



Plans for dealing with Derbyshire's waste in the future have been reviewed and will be adopted and published by the end of 2014. Derbyshire councils are working together to help householders to reduce, reuse, recycle and compost even more.

The Derbyshire Joint Municipal Waste Management Strategy aims to deliver a sustainable waste management service.

The following ten objectives have been developed to support the strategy visions and set the framework for future waste management activity.

The strategy will deliver:

- Reduced waste.
- Increased reuse and recycling/composting of waste.

- Reduced waste to landfill and recover value from waste that is leftover for disposal.
- Increased public understanding and engagement in waste and recycling leading to high levels of customer satisfaction.
- An accessible, efficient, effective and value for money service.

It will also contribute towards:

- Improved resource efficiency.
- Reduced carbon/climate change impacts.
- Protection of natural resources.
- The management of non-household waste.
- Local self-sufficiency in the management of waste.

The combined vision and objectives will help us reach our target of 55% recycling/composting of household waste by 2020, and to exceed this, where possible.

3.1.4 Procurement

How we procure products has a significant impact on the environment.

Energy and resources are used to make and transport all the items we purchase from paper to personal computers, from food to timber. Therefore the types of products we buy, the quantity and where we buy them from, will all affect our ecological footprint.

We can use our procurement processes to reduce our environmental impact in a number of ways, including reducing the quantity of goods purchased, selecting recycled products or locally produced goods to reduce the distances transported.

Steps we have already taken to make procurement as sustainable as possible include:

- Environmental considerations in contract documentation.
- Signing up to the gold and silver level World Wildlife Fund Local Authorities Timber Pledge.
- Reduce the procurement of new products by ensuring the effective maintenance of goods and assets, by repairing and reusing, where practical.
- Departments taking into account environmental impacts when procuring such items as timber, food, vehicles and stationary.
- Review our contract specifications with the intention of reducing the environmental impact of our goods, work and services.

3.1.5 Education and Awareness

We recognise our ongoing obligation to reduce our environmental footprint to contribute towards protecting the natural environment, and sustainable socio-economic development in the County and within the Council.

As energy and landfill costs rise we need to reduce the amount of resources we use, as well as recycle more, so that we can continue to fund quality service provision rather than paying for wasted resources.

There are many actions we can take to reduce our environmental impact and these may vary between individual services. However, each service produces waste, consumes water and emits carbon dioxide so it is down to everyone to do their bit to help reduce our environmental footprint. The Council had produced a set of environmental mini guides that outline key themes such as climate change, adaptation, and resource efficiency.

The guides also suggest ways we can act corporately, with partner organisations, and as individuals, to reduce our environmental impact.

As well as the mini guides we also provide regular training available to all staff and members. This training enables employees to understand the carbon impact that council work has and how they can make simple changes to reduce their impact both at home and at work.

ECO Schools

The ECO Schools scheme links to many curriculum subjects, including citizenship, personal, social and health education and education for sustainable development.

It is also an award scheme that raises the profile of the school in the wider community.

The ECO Schools process aims to involve the whole school (pupils, teachers, non-teaching staff and governors) together with members of the local community (parents, council, the media and local businesses).

It encourages teamwork and helps to create a shared understanding of what it takes to run a school in a way that respects and enhances the environment.

There have been schools in Derbyshire working towards the ECO Schools award since 1997. Over 55 schools have now achieved the Green Flag Award, and many schools have achieved bronze and silver awards.

We are available to introduce the scheme to school staff, to give assemblies on ECO Schools topics and to help run sessions with the school's eco committee or school council.

We can also put schools in touch with organisations and individuals that can help them to progress with Eco Schools projects.

ECO Schools offers:

- Favourable recognition of the scheme by school inspectors.
- Financial savings gleaned from reduced water, fuel and waste disposal bills.
- Numerous curriculum links.
- Increased environmental awareness amongst pupils and staff.
- An improved school environment and a reduction in the amount of litter.
- Opportunities for local and national publicity.

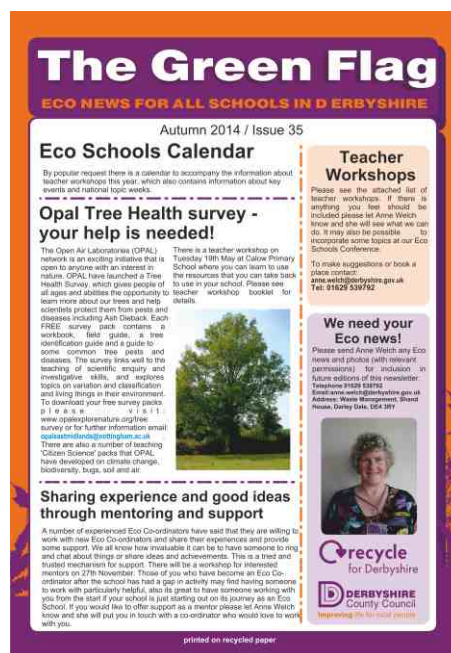
Derbyshire Eco Centre

The Derbyshire Eco Centre has been built using sustainable methods, materials and technology to create an all-weather facility to deliver heritage building skills, sustainable technologies, rural crafts, arts, environment and energy saving courses.

We've designed and built the centre and the surrounding landscape to gain an 'excellent' standard from the Building Research Establishment Environmental Assessment Measure.

It is constructed using sustainable methods, materials and technologies including local stone, a living green roof, rainwater harvesting, air source heat pump and solar panels.

A second phase is planned to provide further sustainable technologies with the aim of making the site self-sufficient in energy.



Our facilities include:

- A large, multi-purpose area for practical work in heritage building skills, renewable energy, arts and crafts.
- An adaptable 'clean' teaching space, with network connections, for theory, meetings and lectures.
- An outside area, with canopy, for practical work.
- An office base.
- A community garden.
- A social and exhibition area.
- A toilet, washroom and shower facilities.



The eco-friendly building is the hub for courses and activities which focus on courses about conserving the natural world and resources, living healthier lifestyles and working locally.

The centre was funded by Derbyshire County Council, The Skills Funding Agency and the Derbyshire Economic Partnership.

3.1.6 Environmental Management System and Environment Policy

Our Economy, Transport and Environment Department has been awarded the internationally recognised standard ISO 14001 (Environmental Management System) certification for our commitment to protect the environment, prevent pollution and save resources as set out in our Environment Policy.

We're committed to including sustainable development in all our policies, plans and programmes.

This principle is promoted through the implementation and continual improvement of our Environmental Management System (EMS). The EMS provides a structured way of controlling the environmental impact of our work processes.

We can then take steps to improve our environmental performance and prevent pollution.

Lessons learnt in one area can be used in others, so quickly spreading the message of good environmental management.

Derbyshire County Council is committed to putting the principles of sustainable development into action in everything we do. Promoting a better quality of life for Derbyshire communities, encouraging sustainable economic regeneration and protecting and enhancing the environment are the cornerstones of sustainable development. This is reflected in the most important document the council produces - the Council Plan, which incorporates environmental protection, conservation and enhancement.

We are a democratic organisation with a vital role in representing the interests of the people of Derbyshire. As a decision-maker, major employer, provider of services and agent for sustainable regeneration, we recognise the significant impact we have on the natural and built environments.

In working towards a more sustainable future we are committed to minimising any adverse environmental impact, while enhancing positive environmental effects to improve the quality of life for Derbyshire people.

We are keenly aware of our environmental responsibilities and have produced this revised Environment Policy to strengthen our existing commitments. We will encourage and enable all of our employees to do what they can to translate these aims into practice. We will also work with our contractors and suppliers to improve our environmental standards.

In developing the Environment Policy, the County Council is publicly setting out its commitment to continual environmental improvement and the prevention of pollution.

3.2 Adaptation

We have worked with our East Midlands partners and Climate East Midlands to research the impacts of climate change and identify what can be done to reduce the effect of extreme weather events on local authority services, residents and businesses.

In January 2013 the Council adopted an Adaptation Action Plan. The Plan was developed following a series of service based risk assessments and Local Climate Impacts Profile (LCLIP).

Local Climate Impacts Profile for Derbyshire was undertaken to increase our understanding of the county's vulnerability to severe weather events. This allows understanding into how these events affect the County's assets, infrastructure and the Council's capacity to deliver services. It also informs us on the impacts of other local public service providers and our communities.

Adaptation Actions

There are a number of potential risks and opportunities arising where climate change impacts upon our environmental, social and economic systems. The County Council has a critical role to play in working with partners and communities to plan and ensure Derbyshire is prepared and resilient to climate change.

The Adaptation Action Plan outlines the actions required and progress already made in developing climate resilient services within the Council. Whilst facilitating the work being carried out across the organisation on climate change resilience, the Adaptation Action Plan also forms the first stage in a process of developing a system of implementation, monitoring and evaluation of climate adaptation actions.

Following meetings with relevant managers and taking the findings of the Climate Change Risk Assessment process into account, the Adaptation Action Plan has been divided into five sections, as set out below.

3.2.1. Minimising Flood Risk

River (fluvial) flooding and increasingly flash (pluvial) flooding, pose a threat across Derbyshire. Flooding has impacted upon the County on numerous occasions in recent years, with two of the more severe, recent floods occurring in Hatton in November 2000, and in Chesterfield in June 2007. In addition to these events, the Climate Change Risk Assessment process identified flooding as the climatic variable posing the most significant threat to Council services within the 2020s time slice (2010-2039). Much of the work within the Adaptation Action Plan relating to flood risk is driven by the Flood Water Management Act 2010. As the Lead Local Flood Authority (LLFA) within Derbyshire, the County Council coordinates a number of partner organisations with various responsibilities. Key partners include the Environment Agency, District and Borough Councils, Parish Councils, water companies, emergency services and land owners. District and Borough Councils play a vital role in planning flood risk management and they are also responsible for authorising most planning applications in Derbyshire, which can directly shape the resilience of our future landscape.

3.2.2 Transport and Green Infrastructure

There are two key aspects of national infrastructure that the County Council has the opportunity to influence at the local level -

Transport infrastructure is of vital importance to many aspects of life - from a free-flowing road network that is relied upon by emergency services responding to call-outs, to the daily commute to work and public transport.

Green infrastructure, including parks and open spaces, provide social, economic and environmental benefits to our communities, and in addition, provide opportunities for the implementation of natural interventions to minimise the impacts of climate change. Derbyshire County Council manages a range of green and blue open spaces that include country parks and nature reserves, woodland, grassland, water bodies (including sections of canal) and an extensive Greenways (trails) network.

3.2.3 Building Resilience Within Service Delivery

The Comprehensive Risk Assessments undertaken by each of the County Council's key services identified several vulnerabilities to the likely impacts of climate change. These vulnerabilities range in importance and severity, with some requiring early action to ensure Council services continue to be delivered without climate related disruption.

3.2.4 Adapting the Built Environment

County Council properties are used for an array of purposes, including the provision of care homes for the elderly and schools for children. Projections suggest that our climate is likely to have changed considerably by the end of the twenty-first century; hence it is important to ensure that buildings are designed, retrofitted and rationalised in a way that ensures resilience to a changing climate for their whole lifetime.

3.2.5 Community and Business Resilience Planning

The County Council is committed to supporting Derbyshire communities and businesses to increase their resilience to the threats that climate change poses. This includes effectively communicating the threat of severe weather events to residents before they occur, and providing advice and support to residents to increase their resilience. Derbyshire County Council will also work with partner organisations, such as Climate East Midlands and the Environment Agency, who have direct experience in developing business resilience. It is important that businesses in Derbyshire are made aware of the opportunities, as well as threats, that a change in climate presents.

SECTION 4: Climate Change Strategies and Useful Links

4.1 Derbyshire County Council and Local Documents

Adaptation Action Plan

The Adaptation Action Plan outlines the actions required, and progress already made, in developing climate resilient services within the Council.

http://www.derbyshire.gov.uk/environment/climate_change/adaptation/default.asp

Council Plan

This plan sets out how we will champion the County, our heritage, our people and our environment. It shows how we will work hard to bring new businesses to Derbyshire and help existing ones to grow and prosper and create more jobs.

http://www.derbyshire.gov.uk/council/policies_plans/council_plan/default.asp

Derbyshire County Council Draft Waste Action Plan

The DCC Draft Waste Action Plan involves a number of promotional campaigns that are designed to raise awareness and change the habits of Derbyshire householders to prevent waste such as; Love Food Hate Waste, Home Composting and Real Nappies.

It also encourages households and schools to recycle and re-use the Household Waste Recycling Centres.

http://www.derbyshire.gov.uk/environment/rubbish_waste/waste_strategy/default.asp

Derby and Derbyshire Waste Local Plan

This waste plan was produced by the Derbyshire Waste Partnership to help more households with recycling and composting.

http://www.derbyshire.gov.uk/environment/planning/planning_policy/minerals_waste_development_framework/waste_plan/default.asp

Derbyshire Eco Centre

The eco-friendly building is the hub for courses and activities which focus on courses about conserving the natural world and resources, living healthier lifestyles and working locally.

http://www.derbyshire.gov.uk/education/adult_education/centres/derbyshire_eco_centre/default.asp

Derbyshire Infrastructure Plan

The purpose of the Derbyshire Infrastructure Plan is to support the delivery of Local Plans and provide for strategic infrastructure and services in a timely and cost effective way across Derbyshire.

http://www.derbyshire.gov.uk/environment/planning/planning_policy/infrastructure_planning/default.asp

Derbyshire Local Climate Impacts Profile (LCLIP)

The Local Climate Impacts Profile (LCLIP) for Derbyshire was undertaken in order to increase our understanding of the county's vulnerability to severe weather events. It helps inform us about how these events affect the County Council's assets,

infrastructure and capacity to deliver services. It also informs us about the impacts on other public service providers and local communities.

<http://www.climate-em.org.uk>

Derbyshire Sustainable Community Strategy

The Sustainable Community Strategy is a guiding framework for organisations working in Derbyshire.

http://www.derbyshirepartnership.gov.uk/community_strategy

ECO Schools

An ECO School encourages teamwork and helps to create a shared understanding of what it takes to run a school in a way that respects and enhances the environment.

http://www.derbyshire.gov.uk/education/schools/your_child_at_school/curriculum/eco_schools/default.asp

Environmental Management System (EMS)

The EMS provides a structured way of controlling the environmental impact of our work processes.

<http://www.derbyshire.gov.uk/environment/management/default.asp>

Environment Policy

This plan is put in place to strengthen existing commitments such as; using less energy and water, identifying, promoting and adopting new and existing technologies to reduce the emissions of greenhouse gases, minimising waste and raising awareness to the public and employee's regarding the environmental policies and issues.

http://www.derbyshire.gov.uk/council/policies_plans/environment_policy/default.asp

Greenways

Greenways provide a valuable resource to encourage accessibility and promote healthy living.

<http://www.derbyshire.gov.uk/leisure/countryside/access/greenways/strategies/default.asp>

Local Flood Risk Management Strategy

The local flood risk management strategy was prompted nationally by the flood events during the summer of 2007 which highlighted the importance that the planning system has in avoiding or managing flood risk in the future.

<http://www.derbyshire.gov.uk/environment/flooding/strategy/default.asp>

Local Transport Plan

The Local Transport Plan aims to achieve a transport system that is both fair and efficient, promotes healthier lifestyles, safer communities, safeguards and enhances the natural environment and provides better access to jobs and services, whilst also improving choice and accessibility of transport and integrating economic, social and environmental needs.

http://www.derbyshire.gov.uk/transport_roads/transport_plans/ltp3/default.asp

Miles Better (Staff Travel Plan)

Miles Better encourages you to think about your journey to and from work and how travelling in a different way can help you cash in on the financial and health benefits as well as playing your part in easing congestion and reducing your carbon footprint.

http://www.derbyshire.gov.uk/working_for_us/smarter_travel/miles_better/default.asp

Procurement

Procurement covers the process by which works, goods and services are acquired from suppliers and managed throughout their life.

We can use our procurement processes to reduce our environmental impact in a number of ways including reducing the quantity of goods purchased, selecting recycled products or locally produced goods to reduce the distances transported.

<http://www.derbyshire.gov.uk/business/procurement/default.asp>

Rights of Way Improvement Plan for Derbyshire

The Rights of Way Improvement Plan ensures that the local rights of way (including footpaths, cycle tracks, bridleways, byways, open access land, trails and Greenways) meet the present and future needs of the public.

<http://www.derbyshire.gov.uk/leisure/countryside/access/improvements/default.asp>

School Travel Plans

A school travel plan (STP) is a document setting out a package of measures to reduce the number of car trips made to schools by pupils, parents and staff.

http://www.derbyshire.gov.uk/transport_roads/road_safety/children_schools/school_travel_plans/default.asp

Transport Policy and Planning

The new Local Transport Plan (LTP) sets out Derbyshire's transport strategy towards transport investment which will result in a more sustainable and healthy transport system. It also allows us to manage carbon emissions and improve public health and safety.

http://www.derbyshire.gov.uk/transport_roads/transport_plans/default.asp

World Wildlife Fund Timber Policy

As a consumer of forest products, Derbyshire County Council has a responsibility to ensure that our procurement is not at the expense of the future of the world's forests, but positively supports responsible forest management.

http://www.derbyshire.gov.uk/council/meetings_decisions/meetings/cabinet_member_portfolio/council_services/2312014_council_services.asp

Waste and Mineral Plan

The Government's national waste strategy is to reduce the amount of waste produced and to reuse or recycle as much as possible of the waste that is produced and to minimise the amount of waste which goes to landfill.

http://www.derbyshire.gov.uk/environment/planning/planning_policy/minerals_waste_development_framework/default.asp

4.2 Further Advice and Information

- **Association of Public Services Excellence (APSE)**
<http://www.apse.org.uk/apse/>
- **Changing The Way Derbyshire Works**
http://www.derbyshire.gov.uk/working_for_us/cwdw/default.asp
- **Climate East Midlands**
<http://www.climate-em.org.uk/>
- **Climate Local - Local Government Association**
<http://www.local.gov.uk/climate-local>
- **Climate UK**
<http://climate-uk.com/>
- **Committee on Climate Change**
<http://www.theccc.org.uk/>
- **Department for Environment, Food & Rural Affairs (DEFRA)**
<https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs>
- **Derbyshire Biodiversity**
<http://www.derbyshirebiodiversity.org.uk/index.php>
- **Derbyshire Eco Centre**
http://www.derbyshire.gov.uk/education/schools/your_child_at_school/curriculum/eco_schools/default.asp
- **Department of Energy & Climate Change (DECC)**
<https://www.gov.uk/government/organisations/department-of-energy-climate-change>
- **Derbyshire Local Resilience Forum**
<http://www.derbyshireprepared.org.uk/>
- **Derbyshire Partnership Forum**
<http://www.derbyshirepartnership.gov.uk/>
- **Derbyshire WWF Local Authorities Timber Pledge**
http://www.wwf.org.uk/what_we_do/forests/what_wood_you_choose/local_authorities/whos_made_a_pledge/
- **D2N2 - Local Enterprise Partnership for Derby, Derbyshire, Nottingham and Nottinghamshire**
<http://www.d2n2lep.org/>
- **ECO Schools**
<http://www.eco-schools.org.uk/>
- **Energy Saving Trust**
<http://www.energysavingtrust.org.uk/>
- **Environment Agency**
<https://www.gov.uk/government/organisations/environment-agency>

- **European Climate Change Programme**
http://ec.europa.eu/clima/policies/eccp/index_en.htm
- **Everybody's Talking about Climate Change**
<http://www.everybodys-talking.org/>
- **Intergovernmental Panel on Climate Change (IPCC)**
<http://ipcc.ch/>
- **Love Food Hate Waste Campaign (LFHW)**
http://www.derbyshire.gov.uk/environment/rubbish_waste/love_food_hate_waste/default.asp
<http://www.lovefoodhatewaste.com/>
- **Moors for the Future**
<http://www.moorsforthefuture.org.uk/>
- **Natural England - Local Nature Reserves**
<http://www.naturalengland.org.uk/ourwork/conservation/designations/lnr/default.aspx>
- **National Planning Policy**
<https://www.gov.uk/government/publications/national-planning-policy-framework--2>
- **Tree Preservation Orders (TPOs)**
<https://www.gov.uk/government/consultations/tree-preservation-orders>
- **UK Climate Impacts Programme (UKCIP)**
<http://www.ukcip.org.uk/>
- **UK Climate Projections (UKCP09)**
<http://ukclimateprojections.metoffice.gov.uk/>

