



## Environmental Sustainability Strategy

'Action on Climate Change'  
2014-2019

# Contents

---

Foreword	Page 3
Introduction	Page 4
Keys Issues	
i. Reducing Corby's carbon emissions	Page 5
ii. Adapting to the future climate change	Page 6
iii. Improving air quality	Page 7
iv. Reducing reusing and recycling	Page 8
v. Enhancing biodiversity	Page 9
Action Plan	Pages 10-20
Glossary with useful links	Pages 21-23
Appendix	Pages 24-26

# Foreword

---

Corby Borough Council is committed to a greener and healthier Borough and our priorities are outlined under the theme of Climate Change and Environment in our Corporate Plan. To further our commitment we have refreshed our Environmental Policy and we have become a signatory of the Climate Local Commitment.

This Environmental Sustainability Strategy sets out our '[Climate Local](#)' priorities and environmental actions in one document. This strategy outlines the pathway towards a low carbon economy that will serve the Community's long term interests, as well as increasing our awareness of how to become a climate resilient borough.

We will progressively address the risks and pursue opportunities presented by climate change, in line with local priorities, through our role as:

- Community leader – helping local people and businesses to be smarter about their energy use and to prepare for climate impacts;

- Service provider – delivering services that are resource efficient, less carbon intensive, resilient and that protect those who are most vulnerable to climate impacts;
- Estate manager – ensuring that our own buildings and operations are resource efficient, use clean energy, and are well prepared for the impacts of a changing climate.

Tackling fuel poverty remains a key priority and last year the Council's Fuel Poverty Summit led to a refreshed [Affordable Warmth Strategy](#) and action plan for the Borough.



Councillor Mark Pengelly  
Lead Member for Climate Change and Environment

# Introduction

---

This document provides an understanding of the aims and objectives of the Corby Borough Council and its partners towards generating a more environmentally sustainable Corby. This document includes our local actions as part of the Climate Local initiative, illustrating our activities towards a low carbon pathway and climate resilient community. In addition this strategy will also include actions to support our [Environmental Policy](#), which was refreshed by the Council at the same time as becoming a signatory to Climate Local.

This document complements and supports the emerging Joint Core Strategy for North Northamptonshire, particularly its key outcomes in relation to distinctive environments that enhance and respect local character and enhance biodiversity, adaptability to future climate change, and more walkable places and an excellent choice of ways to travel.

The main areas of focus put forward in this Environmental Sustainability Strategy are:

- Reducing Corby's carbon emissions
- Adapting to a changing climate
- Improving air quality and low carbon transportation
- Reducing, reusing and recycling waste

- Enhancing biodiversity and improving our green spaces

The actions we plan to take with partners and other stakeholders are organised in the following chapter headings:

1. Leading by example as a Council
2. Creating the foundations of success in planning, infrastructure and capacity in the Town's growth and regeneration
3. Encouraging local businesses
4. Helping schools, the voluntary and the community sector
5. Improving homes and supporting households

Not only will the Council provide leadership in these areas we will ensure that we work collaboratively with local organisations, institutions and expert partners, such as but not exclusive to [Electric Corby CIC](#), to enhance our aims and objectives in developing Corby as a leading place for low carbon living, transportation and a local low carbon economy.

This five year strategy, was endorsed on the 16<sup>th</sup> December 2014, will be reported on and reviewed annually.

## i. Key Issues: Reducing Corby's Carbon Emissions

---

Climate Change is an issue that will affect us all. The [Intergovernmental Panel on Climate Change \(IPCC\)](#) have overwhelmingly agreed that humans are the main cause of climate change, and that we must tackle this issue not only on a global scale, but on a local one. The UK's [Government's Climate Change Act \(2008\)](#) sets legally binding target of 80% reduction in carbon emissions by 2050. The Stern Review on the '[Economics of Climate Change](#)' concludes that the future costs of tackling the consequences of climate change would be far higher than the costs of tackling the causes now. Therefore there is also an economic imperative, even an economic opportunity, to act now.

Corby has made clear progress in its carbon emission reductions since 2005 to 2012, reducing its carbon emissions per capita by 3.9 tonnes which is a 30% reduction from 13.0 tCO<sub>2</sub>e to 9.1 tCO<sub>2</sub>e. Due to Corby's large manufacturing industry base this is still above the national average of 7.1 tCO<sub>2</sub>e per capita. However, domestic emissions per capita has reduced since 2005 from 2.6 tCO<sub>2</sub>e to 2.1 tCO<sub>2</sub>e, which is slightly below the national average of 2.2 tCO<sub>2</sub>e.

In terms of our Council carbon emissions from our 'own Council operations' we continue to decrease our green house gas emissions year on year, with a reduction of 606 tCO<sub>2</sub>e from 2012 to 2013, and a 48.7% reduction since we started reporting in 2008/9.

*The Cube is [BREEAM excellent](#) and [Green Apple Award](#) recipient*



***What we want to achieve:***

***To reduce our Council carbon footprint from 8205 tCO<sub>2</sub>e 2008/9 levels by 50% by 2020, and by 80% by 2050***

## ii. Key Issues: Adapting to Future Climate Change

---

As well as reducing carbon emissions to prevent further climate change it is important to adapt and build our resilience to climate changes which are projected to take place as well as the changes that are already be happening.

Corby is a mix of urban and rural areas and both are at risk of flooding, with the Welland River to the north and tributaries to the south east which feed into the river Nene. There have been number of areas that have experienced flooding in severe weather events in recent years, therefore adapting and preventing flooding is essential, particularly when creating plans for new developments.

*Flash flooding in the Gainsborough Road Area, October 2013*



In addition to this the East Midlands has been identified as an area at risk of severe heat waves and droughts. The Council will continue collaborative working with Northamptonshire County Council (NCC) as the Lead Local Flood Authority and key partners to improve management of local flood risk

The Council has committed to helping the most vulnerable residents in keeping warm and healthy homes through actions and activities outlined in our [Affordable Warmth Strategy 2013-2016](#). We actively work with the NHS [Corby Clinical Commissioning Group](#) to deliver awareness of how to keep warm and cool in severe weather events.

***What we want to achieve:***

***To support our community in building capacity and resilience in adverse weather events***

### iii. Key Issues: Improving Air Quality

---

Air pollution is associated with a number of adverse health impacts, and protecting the local air quality therefore has a vital role to play in safeguarding public health and the environment as well as improving quality of life. Corby is not currently an [Air Quality Management Zone](#), but we do regularly measure and monitor our nitrogen dioxide (NO<sub>2</sub>) levels at 14 locations across the Borough. The sources of NO<sub>2</sub> in Corby are from industry, construction, vehicle movement, and gas boilers. Each year the Council produce and publish annual [Air Quality Strategy Report](#) to Defra.

*CBC fleet launch of new electric plug-in vehicles, October 2014*



With the support of [Electric Corby CIC](#), the Council has been successful in ensuring the infrastructure for electric vehicle charging has been put in place in both public and business locations, such as the train station, the town centre and the Corby Enterprise Centre. **Corby now has one of the highest per capita public charging points outside of London.**

The Council also pro-actively work in partnership with the community and the [NCC Highways Team](#) to encourage greener ways of travel such as supporting walking and cycling initiatives.

***What we want to achieve:***

***To support the modal shift from the private car and increase the take up of low carbon transportation***

## iv. Key Issues: Reducing, Reusing and Recycling

---

In 2013/14 our residents produced a total of 24,190 tonnes of waste. 46% of this waste was recycled, of which 25.5% was dry recycling, 17.5% green waste and 3% food waste, the remaining 54% was sent to landfill. The reason it so important to separate our waste is that the biodegradation of organic waste in landfill sites can create methane. This is a potent green house gas which contributes towards climate change.

Corby Borough Council is part of the [Northamptonshire Waste Partnership \(NWP\)](#). Actions outlined below support the [Northamptonshire Joint Municipal Waste Management Strategy](#) which has been developed by the NWP. This is a joint approach to managing the County's municipal solid waste in the period from 2011/12 to 2025/26.

In 2010 the NWP undertook a waste composition analysis of the residue in the black refuse bins. The analysis showed that approx 41% by weight was food waste and despite a comprehensive green waste service 6% by weight was garden waste. In response to this in 2012 CBC rolled out a weekly food waste recycling service.

We aim to improve the use of resources and waste management by encouraging waste prevention, minimisation, re-use, and participation in the recycling and composting services offered.

Our priority is to increase resident's participation in the kerbside recycling, food waste and green waste services.

*Northants Waste Partnership School Engagement Programme*



***What we want to achieve:***

***To increase the Borough's household recycling rate in line with County aspirations to 50% by 2020***

## v. Key Issues: Enhancing Biodiversity

---

The biodiversity of our environment needs to be protected and improved, not only because it makes Corby a nice place to live but more importantly to ensure the environment is a safe and stable place for our wildlife, fauna and eco systems.

*Thoroughsale and Hazel Wood Group receive the [Green Flag Award](#),  
July 2014*



Corby has the largest ancient woodland within an urban environment in the UK, and as a result has been successful in receiving funding for setting up the 35 year [Woodland Project](#) to actively manage 140 acres of ancient woodland in the heart of the Town in Hazelwood and Thoroughsale Woods.

***What we want to achieve:***

***Ensure the woodlands are sustainable and accessible to all***

# 1. Action Plan: Leading by Example as a Council

Corby Borough Council signed the Climate Local Commitment on 5<sup>th</sup> June 2014 in recognition of the important role that local authorities have in tackling climate change. The table below sets out our priorities and commitments as well as the actions we and partners will undertake to deliver them. In order to create an energy smart low carbon and a low waste future we make the following commitment(s):

<b>Commitment: Reduce the Boroughs' contribution to climate change and provide leadership in tackling climate change and enhancing Corby's Environment</b>			
<b>Justification:</b> Help mitigate the extent of climate change			
<b>Specific action(s)</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts and contributes to</b>
1.1 Review actions in our Carbon Management Plan and explore invest to save financing opportunities such as lighting replacements, heating systems, and insulation	Council Green House Gas Report and number of measures	Autumn 2014  CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Financial income to councils</li> <li>• Carbon Reduction</li> </ul>
1.2 Explore the feasibility of CHP and Biomass boilers in carbon reduction and invest to save of our buildings	Number of measures installed and Council Green House Gas Report	On going  CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Financial income to councils</li> <li>• Carbon Reduction</li> </ul>
1. 3 Move to a low carbon vehicle fleet and increase the uptake of low carbon transport such as exploring salary sacrifice scheme to include plug in electric vehicles	Number of plug in vehicles and Council Green House Gas Report	On going  CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Improvement to local infrastructure</li> <li>• Carbon Reduction</li> </ul>

1.4 Increase staff and member awareness of climate change introducing an environmental scheme	Number of eco champions/iiE EMS	Winter 2014/15 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Corporate strategy and development</li> <li>• Measurement and data improvements</li> <li>• Carbon reduction</li> </ul>
1.5 Explore environmental compliance schemes to celebrate the Council's environmental management systems	Receive certification such as iiE	Spring 2016 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Measurement and data improvements</li> <li>• Carbon Reduction</li> </ul>

**Commitment: Increase greener and healthier ways to travel and reduce harmful pollutants in the borough**

**Justification:** Decrease carbon emissions from transport sector

<b>Specific action</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts and contributes to</b>
1.6 Support NCC emerging transport plan promote walking, cycling, and public transport in order to support the modal shift away from the private car	<ul style="list-style-type: none"> <li>- Publish a cycle strategy</li> <li>- Improve the Corby Walk (Railway Station to the Town Centre)</li> <li>- Decrease transport CO2 emissions</li> </ul>	On going NCC, CBC Environmental Quality and CBC Planning	<ul style="list-style-type: none"> <li>• Contribution to health and well being</li> <li>• Improvement to local infrastructure</li> <li>• Improved air quality</li> </ul>
1.7 Encourage lower carbon transport alternatives and increase the proportion of low-carbon fuelled vehicles in Corby	Number of plug in vehicles registered	On going CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Contribution to health and wellbeing</li> <li>• Improved air quality</li> </ul>

1.8 Work with taxi companies and licence holders to consider low carbon vehicles	Number of plug in taxis in the borough and reduction of NO2	Spring 2017 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Improvement of local infrastructure</li> <li>• Contribution to health and wellbeing</li> <li>• Improved air quality</li> </ul>
1.9 Investigate E Car Club scheme in the Town Centre	Implement scheme if feasible	Summer 2015 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Improvement of local infrastructure</li> <li>• Contribution to health and wellbeing</li> <li>• Improved air quality</li> </ul>

<b>Commitment: Protect and enhance Corby's local biodiversity and open spaces, ensuring they are appealing and accessible for all.</b>			
<b>Justification:</b> Increase Corby borough's resilience to climate change			
<b>Specific action(s)</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts</b>
1.10 Actively manage and maintain our ancient woodlands	<ul style="list-style-type: none"> <li>- Increase the number of volunteers</li> <li>- Area of actively managed ancient woodland</li> </ul>	On going practice CBC Culture and Leisure	<ul style="list-style-type: none"> <li>• Improvement to public realm</li> <li>• Improvement to local infrastructure</li> <li>• Contribution to health and well being</li> <li>• Improved biodiversity, adaptation, and access to woodland</li> </ul>

1.11 Encourage more walking groups	Number engaged in walking	On going practice CBC Neighbourhood Pride and Culture and Leisure	<ul style="list-style-type: none"> <li>• Contribute to health and well being</li> <li>• Improvement to public realm</li> <li>• Improved access to woodland</li> </ul>
1.12 Work with Northamptonshire Local Nature Partnership and relevant agencies to build capacity and resilience to climate change	<ul style="list-style-type: none"> <li>- Number of organisations engaged</li> <li>- Increase number of friends of groups</li> <li>- Explore introduction of wildflower meadows</li> </ul>	Spring 2016 NCC and Local Nature Partnership	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Improvement to local infrastructure</li> <li>• Contribution to health and wellbeing</li> <li>• Improvement to public health</li> <li>• Improved biodiversity and adaptation</li> </ul>
1.13 Improve the allotment provision in the Borough	Number of active plots	Summer 2015 CBC Property Services	<ul style="list-style-type: none"> <li>• Contribution to health and wellbeing</li> <li>• Improved adaptation and biodiversity</li> </ul>

**Commitment: Improve the use of resources and waste management by encouraging waste minimisation, re-use, recycling and composting.**

**Justification:** To reduce organic waste to landfill which gives off potent green house gas methane

<b>Specific action(s)</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts</b>
1.14 To increase the percentage of Corby's household waste recycled and composted by 48% by 2015, and support County figures of 52% by 2015, 54% by 2020, 56% by 2025	% of waste recycled (measured as NI 192)	On going NHP and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Improvement to local infrastructure</li> <li>• Contribution to statutory targets</li> <li>• Improved waste reduction and recycling</li> </ul>
1.15 To decrease the amount of waste sent to landfill (County figures), recorded as the landfill diversion rate, 75% by 2015/16, 78% by 2025/26	% of waste diverted	On going NHP and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Contribution to statutory targets</li> <li>• Improved waste reduction and recycling</li> </ul>
1.16 Increase participation in kerbside recycling schemes with a focus on the food waste service	Complete participation monitoring	Spring 2015 NHP and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Contribution to statutory targets</li> <li>• Improved waste reduction and recycling</li> </ul>
1.17 Improve the recycling provision for our residents who live in flats in particular above shops	Review provision and improve participation	Summer 2016 CBC Environmental Quality with Property Services	<ul style="list-style-type: none"> <li>• Improvement to local infrastructure</li> <li>• Contribution to statutory targets</li> <li>• Improved waste reduction and recycling</li> </ul>

1.18 Improve recycling from the Council's offices	Implement a source separation scheme/iiE EMS scheme	Winter 2014/15 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Improved waste reduction and recycling</li> </ul>
1.19 Encourage sustainable procurement at the Council	Implement a green procurement guide for staff	Spring 2016 CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Improved recycling / reuse</li> </ul>
1.20 Investigate water saving measures at the Council	Reduce the water used by the Council / iiE EMS scheme	Spring 2016 CBC Property Services	<ul style="list-style-type: none"> <li>• Council money saved</li> <li>• Improved adaptation and carbon reduction</li> </ul>

## 2. Action Plan: Corby's Growth and Regeneration

These actions are to support the Boroughs aspirations for growth, the local planning policies from the emerging North Northants Joint Planning Unit and the activity of Electric Corby CIC.

<b>Commitment: Reduce the negative environmental impacts of all new major developments</b> and growth programmes and influence new developments to test new sustainable ways of living, working and travelling.			
<b>Justification:</b> Corby must balance its growth aspirations and sustainable development in mitigating and adapting to climate change			
Specific action	Measure	Timescale and who	Impacts
2.1 Work with strategic partners to minimise the use of fossil fuel energy sources and increase local renewable energy generation	Develop an Energy Strategy	Spring 2015  Electric Corby CIC with CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Contribution to local economic growth</li> <li>• Financial benefits to local people</li> <li>• Improved carbon reduction and adaptation</li> </ul>
2.2 Increase the environmental sustainability of regeneration and new developments, Green and Blue infrastructure and SUDS	New Sustainable Building and Allowable Solution Policy	On going  North Northants JPU with CBC Planning	<ul style="list-style-type: none"> <li>• Improvement to local infrastructure</li> <li>• Contribution to local economic growth</li> <li>• Improved adaptation and biodiversity</li> </ul>
2.3 To leverage ' <a href="#">Allowable Solutions</a> ' from new developments in the borough and further a field	Number of allowable solutions captured in Corby	Summer 2016  North Northants JPU with Electric Corby CIC	<ul style="list-style-type: none"> <li>• Improvement to local infrastructure</li> <li>• Improved carbon reduction and adaptation</li> </ul>

### 3. Action Plan: Encouraging the Business and Industry

<b>Commitment:</b> To encourage businesses to take advantage of clean technologies in order to reduce their costs, increase productivity, competitiveness, and make reputational gains.			
<b>Justification:</b> Help mitigate the extent of climate change and build a resilient commercial and industrial sector.			
Specific action(s)	Measure	Timescale and who	Impacts
3.1 Increase local renewable energy generation in the commercial sector	<ul style="list-style-type: none"> <li>- Work with Electric Corby to develop an Energy Strategy for the Borough</li> <li>- Number of schemes</li> </ul>	Spring 2015 Electric Corby CIC and CBC Planning	<ul style="list-style-type: none"> <li>• Contribution to local economic growth</li> <li>• Improvement of local infrastructure</li> <li>• Improved carbon reduction, air quality, waste reduction</li> </ul>
3.2 Promote engagement with the Electric Corby CleanTech programme in the commercial and logistics sector in Corby and seek to encourage advocates and stewardship within the industrial sector	<ul style="list-style-type: none"> <li>- Reduce green house emissions in the industrial and commercial sector</li> <li>- Number of businesses engaged in programme</li> </ul>	Summer 2015 and ongoing Electric Corby CIC and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Contribution to local economic growth</li> <li>• Improved carbon reduction, adaptation and waste reduction</li> </ul>
3.3 Promote low carbon fleet and staff vehicles schemes in the business sector	<ul style="list-style-type: none"> <li>- Number of electric vehicles</li> </ul>	Summer 2015 Electric Corby CIC and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Improvement of local infrastructure</li> <li>• Improved air quality and carbon reduction</li> </ul>

## 4. Action Plan: Helping our Schools and the Community

Providing leadership and enabling our community to do their bit. Actions below support the Northants Waste Partnership Joint Waste Strategy, and the emerging Countywide Climate Change Strategy.

<b>Commitment: Prioritise activities that deliver the most cost-effective carbon emission reductions possible and capture the public imagination and stimulate behaviour change</b>			
<b>Justification:</b> Help mitigate the extent of climate change and build resilient communities			
<b>Specific action(s)</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts</b>
4.1 Engage with schools through NWP and share learning of Electric Corby CIC District of the Future project	<ul style="list-style-type: none"> <li>- Number of <a href="#">Eco schools</a></li> <li>- Number of NWP visits</li> <li>- Implement DoF schools project</li> <li>-</li> </ul>	Summer 2016  Electric Corby CIC and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Community development and empowerment</li> <li>• Improved carbon reduction, adaptation, biodiversity, waste reduction and air quality</li> </ul>
4.2 Engage with environment champions in the community to build capacity and understanding of climate change and community energy	<ul style="list-style-type: none"> <li>- Number of communities engaged</li> <li>- Hits to Green Corby web pages</li> </ul>	On going  CBC Environmental Quality and CBC Neighbourhood Pride	<ul style="list-style-type: none"> <li>• Community development and empowerment</li> <li>• Improved carbon reduction, adaptation, biodiversity, waste reduction and air quality</li> </ul>

## 5. Action Plan: Improving our Housing

These actions are to support the CBC Housing Strategy 2014 and the CBC Affordable Warmth Strategy (2013-2016).

<b>Commitment: To ensure that our community have warm and healthy homes.</b>			
<b>Justification:</b> Help mitigate the extent of climate change from the housing sector			
<b>Specific action(s)</b>	<b>Measure</b>	<b>Timescale and who</b>	<b>Impacts and contributes to</b>
5.1 Explore concepts in renewable energy in order to reduce fuel bills for tenants including retrofit and new build such as but not exclusive to supporting the Electric Corby CIC 'Zero Energy Bill' concept in new and existing homes as well as promoting and increasing the awareness of RHI and FITs	Increase the number of homes with clean technology solutions	Ongoing  Electric Corby CIC, CBC Neighbourhood Pride, and CBC Environmental Quality	<ul style="list-style-type: none"> <li>• Financial benefits for local people</li> <li>• Contribution to health and wellbeing</li> <li>• Improvement to public health</li> <li>• Improved carbon reduction and air quality</li> </ul>
5.2 Work with the NHS CCG to target the most vulnerable households in our community helping alleviate fuel poverty and build resilience in extreme weather events (hot and cold)	<ul style="list-style-type: none"> <li>- Decrease the number of fuel poor households in the borough</li> <li>- Review Affordable Warmth Strategy</li> </ul>	<ul style="list-style-type: none"> <li>- Ongoing CBC</li> <li>- Spring 2016</li> </ul> CBC Environmental Quality with CCG	<ul style="list-style-type: none"> <li>• Financial benefits for local people</li> <li>• Contribution to health and wellbeing</li> <li>• Improvement to public health</li> <li>• Improved carbon reduction and improved adaptation</li> </ul>

<p>5.3 Work with the Northants Warm Homes Partnership to actively promote the take up of ECO and Green Deal to improve home insulation and heating systems</p>	<ul style="list-style-type: none"> <li>- Increase the number of homes receiving insulation and boiler replacements</li> <li>- Publish HECA report</li> </ul>	<ul style="list-style-type: none"> <li>- Spring 2017</li> <li>- Spring 2015</li> </ul> <p>CBC Environmental Quality with NWHP</p>	<ul style="list-style-type: none"> <li>• Financial benefits for local people</li> <li>• Contribution to health and wellbeing</li> <li>• Improvement to public health</li> <li>• Improved carbon reduction and improved adaptation</li> </ul>
----------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

# Glossary

---

- [Allowable Solutions](#) are part of Government strategy for cost-effective delivery of mainstream zero carbon new homes from 2016. The aim of Allowable Solutions is to give developers an economical way of compensating for the CO<sub>2</sub> emission reductions that are difficult to achieve through normal design and construction.
- Biodiversity is the degree of variation of life forms within an ecosystem.
- Carbon emissions is the release of carbon dioxide (a greenhouse gas which contributes to climate change) into the atmosphere, through the burning of fossil fuels for energy. Carbon emissions as Green House Gas is measured as CO<sub>2</sub>e.
- CBC – [Corby Borough Council](#)
- CHP - Combined heat and power is a system that reuses the heat that is normally wasted during the generation of power. This can be powered with biomass or gas fuel.
- Climate change - A change of climate that is attributed directly or indirectly to human activity that alters the composition of the global atmosphere, and that is in addition to natural climate variability over comparable time periods ([United Nation's Framework Convention](#) on Climate Change definition).
- [Climate Change Act](#) (2008) – An Act of Parliament which makes it the duty of the Secretary of State to ensure that the net UK carbon account for all six Kyoto greenhouse gases for the year 2050 is at least 80% lower than the 1990 baseline.
- [Climate Local](#) is a Local Government Association initiative, to build upon the Nottingham Declaration, supported by the Environment Agency Climate Ready service, to drive, inspire and support Local Authorities action on climate change.
- Climate Resilience – refers to the ability of being able to adapt, in order to be better prepared for future climate change impacts
- [Department of Energy and Climate Change](#) (DECC) work to make sure the UK has a secure, clean, affordable energy supply and promotes international action to mitigate climate change.
- [District of the Future](#) Project is a Electric Corby CIC project funded through the [EU's Seventh Framework Programme for Research](#) (FP7) to support research and development projects in energy and resource efficiency.
- [Eco-Schools](#) is an international award programme that guides schools on their sustainable journey, providing a framework to help embed these principles into the heart of school life. This programme is administered by the Keep Britain Tidy Campaign by [EnCams](#).

- [Electric Corby CIC](#) was formed in 2012 with the support of the Council to develop Corby as a leading location for low carbon living, local carbon economy and low carbon transportation.
- [EU Waste Framework Directive \(2008\)](#) - sets the basic concepts and definitions related to waste management, such as definitions of waste, recycling, recovery. The Directive introduced the polluter pays principle and waste management hierarchy.
- Green and Blue infrastructure - is a planning policy drive to adapt to urban growth and climatic challenges by building with nature, such as stormwater management, climate adaptation, less heat stress, more biodiversity, food production, better air quality, sustainable energy production, clean water and healthy soils, increase shade and shelter in and around towns and cities. Green infrastructure also serves to provide an ecological framework for social, economic and environmental health of the surroundings.
- [Green Deal](#) and [ECO](#) launched in 2012 by the Government, to drive household energy efficiency. Both are financing mechanisms to help private owners, social landlords and tenants finance home energy improvements.
- [HECA](#) is the Home Energy Conservation Act 1995. Under HECA 1995, local authorities are required to consider measures to improve the household energy efficiency of homes within their administrative area. All local authorities are required to report on a bi-annual basis to DECC on their HECA report and action plan.
- [iiE](#) – Investors in Environment is a national environmental award scheme which is a stepping stone to the ISO 14001 (international standard). This accreditation requires organisations to demonstrate an effective environmental management system is in place.
- [Intergovernmental Panel on Climate Change](#) (IPCC) - Is a scientific intergovernmental body of the United Nations. The IPCC produces reports that support the United Nations Framework Convention on Climate Change (UNFCCC), which is the main international treaty on climate change.
- [Local Government Association](#) (LGA) - Is the national voice of local government in England seeking to promote better local government; it maintains communication between officers in different local authorities and implements best practice. The LGA also administers the Climate Local initiative.
- [Local Nature Partnership](#) - LNPs work strategically to help their local area manage the natural environment. They aim to make sure that its value, and the value of the services it provides to the economy and the people who live there, is taken into account in local decisions, for example about planning and development.
- Low Carbon Pathway – Is an academic term given to the process of communities moving to a low carbon economy while ensuring a safe and secure energy supply.
- NCC – [Northamptonshire County Council](#)
- [NHS Corby Clinical Commissioning Group](#) - CCGs play a major role in achieving good health outcomes for the local population.

- [Northants Warm Homes Partnership](#) - Northants Warm Homes, a partnership between the seven district and borough councils and Flourish Partnership, provides help and advice to residents of Northamptonshire who are seeking to lower their fuel bills through insulation and other energy efficiency improvements.
- [RHI](#) and [FITs](#) – the Renewable Heat Incentive and the Feed In Tariff are Governmental schemes in place to drive the renewable market and increase renewable technology.
- SUDs – Sustainable urban drainage systems
- [The North Northamptonshire Joint Planning Unit \(NNJPU\)](#) - was formally established in October 2004 by Corby, Kettering, Wellingborough and East Northamptonshire Councils, together with Northamptonshire County Council. The JPU is funded through contributions from the local planning authorities, and co-ordinates the preparation of the strategic elements of the North Northamptonshire Local Plan. The Joint Planning Unit reports to a Joint Planning Committee made up of three elected members from each of the councils. We work closely with various delivery partners to manage and drive the growth and regeneration planned for North Northamptonshire.
- The [Northamptonshire Waste Partnership](#) is made up of 7 councils in Northamptonshire. These are the District/Boroughs of Corby, Daventry, Kettering, Northampton, South Northamptonshire and Wellingborough and Northamptonshire County Council. The key activities of the NWP are to ensure the delivery of the Northamptonshire Joint Municipal Waste Management Strategy and associated Action Plan.
- [The Stern Review](#) – Is an economic report commissioned by the Government in 2006 by economist Nicholas Stern reporting on the effect of climate change on the world economy.

# Appendix – Emissions Inventory

## 1. Corby's Carbon Dioxide Emissions

To aid the council's attempts to mitigate climate change we must first understand which different sectors the emissions emanate from.

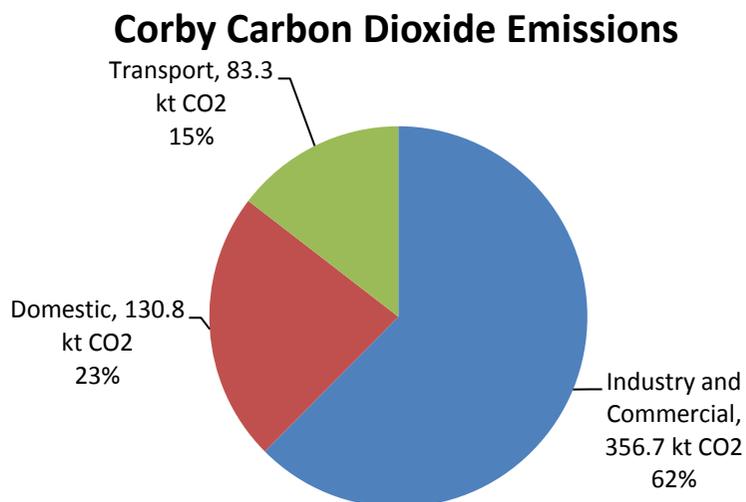


Figure 1: DECC, 2014 Local and Regional CO2 Emissions Estimates for 2005-2012

The greatest proportion of Corby's carbon dioxide emissions stem from its industrial and commercial services accounting for 62% of overall emissions in the area. The next biggest polluting sector is the Domestic sector at 23% and Transport at 15%.

## 2. Corby's Domestic Carbon Dioxide Emissions

Figure 2 breaks down the domestic emissions by source. Gas is mostly used domestically for space heating but is also used for cooking and heating water, accounting for over 50% of domestic emissions. Electricity consumption used in lighting and electronic devices consumes 42% of overall energy use domestically.

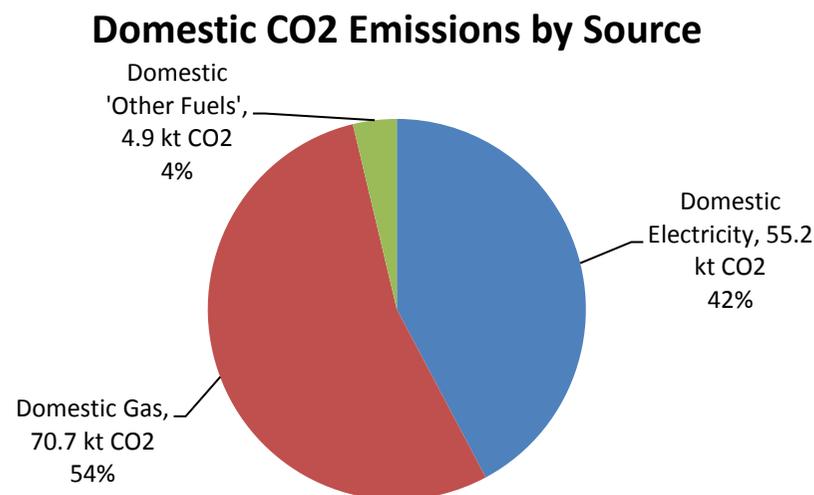


Figure 2: DECC, 2014 Local and Regional CO2 Emissions Estimates for 2005-2012

### 3. Corby's Industrial and Commercial Carbon Dioxide Emissions

Gas and electricity use in the commercial area accounts for 91% of emissions.

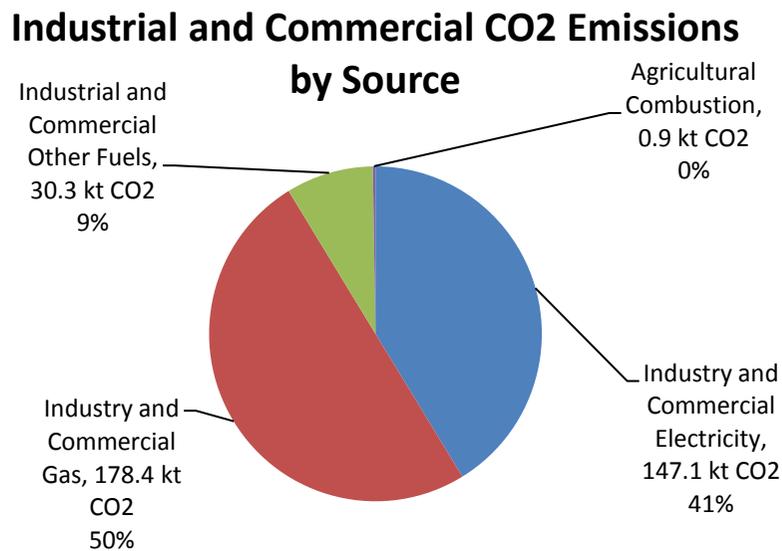


Figure 3: DECC, 2014 Local and Regional CO2 Emissions Estimates for 2005-2012

### 4. Corby's Road Transport Carbon Dioxide Emissions

#### Road Transport CO2 Emissions

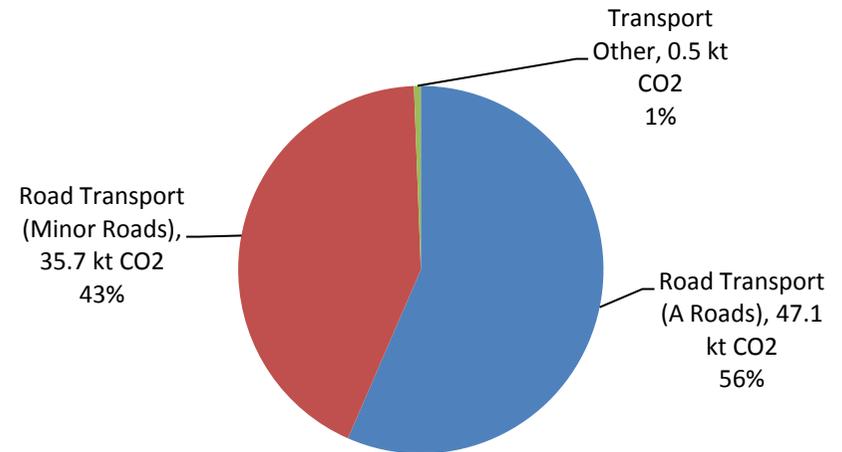


Figure 4: DECC, 2014 Local and Regional CO2 Emissions Estimates for 2005-2012

Despite Corby's population growth, emissions from road transport have decreased by 1.7%.

This data (figure 1-4) has been taken from <https://www.gov.uk/government/statistics/local-authority-emissions-estimates>

## 5. Corby Borough Council 'Own Operations' Green House Gas emissions 2009 to 2014

Corby Borough Council Carbon Footprint measured as Green House Gas emissions (CO <sub>2</sub> e)					
	2009/10	2010/11	2011/12	2012/2013	2013/14
Scope 1 (gas heating and fuel)	2,924	2,562	2,626	2,554	2,247
Scope 2 (electricity)	2,529	2,540	2,234	2,216	1,913
Scope 3 (business travel)	70	47	46	44	47
<b>Total gross emissions (tCO<sub>2</sub>e)</b>	<b>5,523</b>	<b>5,149</b>	<b>4,906</b>	<b>4,814</b>	<b>4,208</b>
% reduction (from 2008/9 baseline 8205 tCO <sub>2</sub> e)	32.7%	37.2%	40.2%	41.3%	48.7%