

A Climate Change Action Plan for York



2010 - 2013

SUSTAINABLECITYYORK

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Executive Summary

The Climate Change Action Plan for York is a combination of two specific action plans. One plan focuses on mitigation – actions that will reduce emissions from across York, and the other on adaptation – actions that will help York to prepare and adapt to the predicted effects of a changing climate.

The Action Plan is the delivery mechanism to achieving the Climate Change Framework’s long term targets and should be read in conjunction with the Framework.

This document:

- highlights the key actions to delivering the targets and objectives as set out in the Climate Change Framework for York 2010-2015.
- highlights actions to deliver:
 - 1 sustainable homes
 - 2 sustainable buildings
 - 3 sustainable energy generation
 - 4 sustainable waste management
 - 5 sustainable transport system
 - 6 sustainable low carbon economy
 - 7 low carbon lifestyles
 - 8 sustainable planning, agriculture and land use
 - 9 sustainable Without Walls Partnership
 - 10 preparing for climate change in York



1 Introduction

This climate change action plan for York is the delivery mechanism to achieving the long term Climate Change Framework for York.

The Climate Change Framework demonstrates the need for York to tackle climate change, the actions already on-going across the city and highlights the key areas the city needs to address to eventually reach the UK target of an 80 percent reduction in carbon dioxide (CO2) emissions by 2050 (based on a 1990 emissions baseline).

The Climate Change Action Plan for York is broken into short term mitigation actions, actions that will reduce emissions from across the city, and adaptation actions, actions that will help the city to better prepare and adapt to climate change. This is summarised below in figure 1.

2 The 10 Key areas of the Climate Change Action Plan

In order to tackle climate change, and meet the headline targets of the Climate Change Framework, this action plan will focus on various actions in the following 10 key areas:

- 1 sustainable homes
- 2 sustainable buildings
- 3 sustainable energy
- 4 sustainable waste management
- 5 sustainable transport system
- 6 low carbon economy
- 7 sustainable planning and land use
- 8 sustainable planning, agriculture and land use

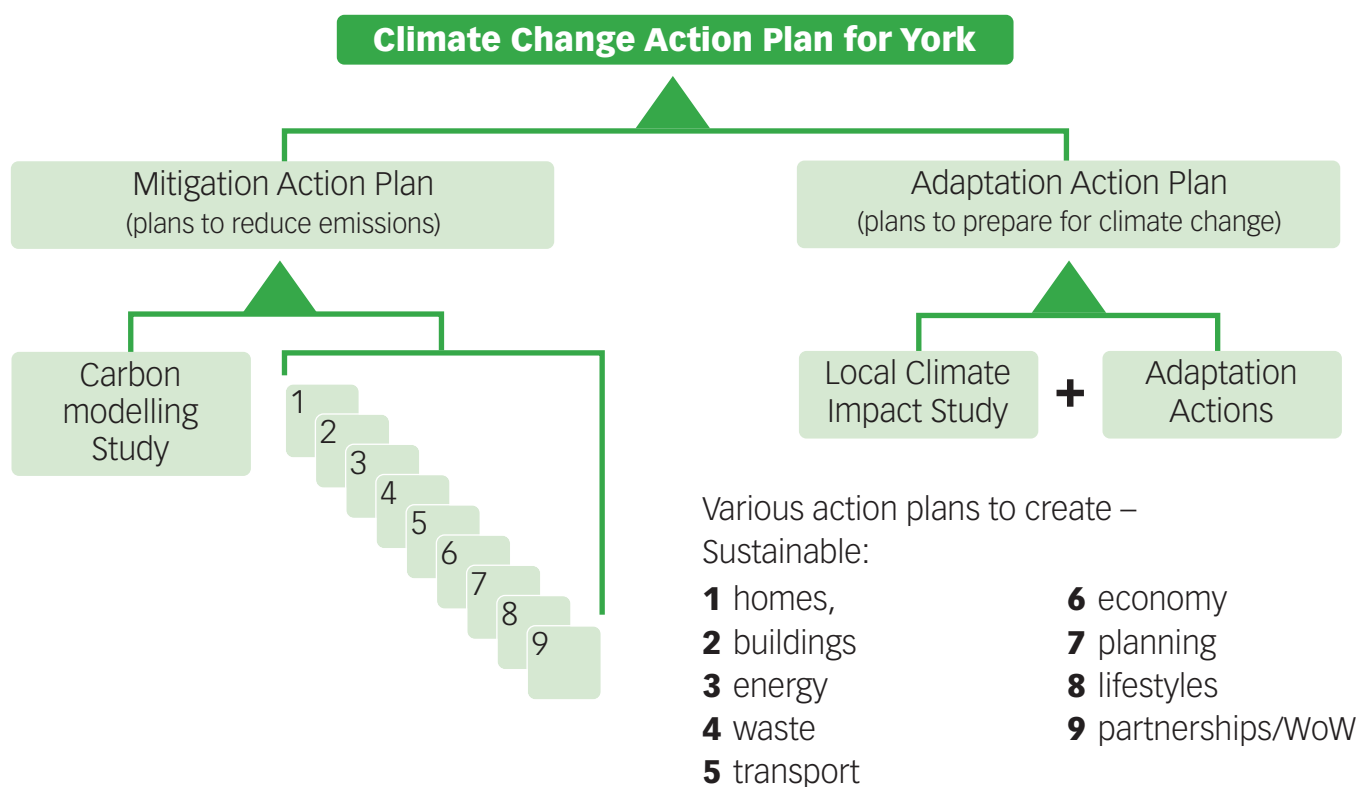


Figure 1 - The composition of the Climate Change Action Plan for York 2010-2013

9 sustainable Without Walls Partnership.

10 preparing for climate change in York.

For each area above the Climate Change Framework determined an overall outcome to drive forward and create through the implementation of this action plan.

3 Outcomes

This climate change action plan will make progress towards delivering the following outcomes:

1 Creating sustainable homes

Overall outcome:

The city will begin to dramatically reduce CO2 emissions from domestic properties by accelerating city-wide programmes and educational campaigns to increase the use of energy-efficient appliances and measures such as loft and cavity wall insulation in existing homes and in all new homes.



2 Sustainable buildings

Overall outcome:

The city will begin to reduce CO2 emissions from non-domestic buildings by accelerating city-wide programmes and educational campaigns to increase the use of energy-efficient appliances and measures in existing buildings and in all new buildings.



3 Sustainable energy

Overall outcome:

The city will begin to understand and make full use of the potential for low carbon, renewable, localised sources of energy generation, and will begin to reduce York's reliance on fossil fuels for energy generation in the city's buildings.



4 Sustainable waste management

Overall outcome:

The city will continue to reduce greenhouse gas emissions from waste and will continue to minimise waste and reuse and recycle resources.



5 Sustainable transport

Overall outcome:

The city will continue to implement measures to help people make smarter, sustainable travel choices, supported by a comprehensive, low emission, transport network. This will be achieved by the emerging Low Emission Strategy, Local Transport Plan 3 and the Local Development Framework. All will help deliver reductions in carbon emissions and other harmful pollutants.



6 Sustainable low carbon economy

Overall outcome:

The city will have accelerated programmes and educational campaigns that support businesses and organisations to reduce carbon emissions and waste across their operations, fleet and workforce. The city's economic strategies and spatial plans must also support the targets of this framework and action plan and help create green jobs and skills to enable York to transform its economy into a low carbon economy.



8 Sustainable planning, agriculture and land-use

Overall outcome:

Planning in York will help create an environmentally-friendly city with a diminishing ecological and carbon footprint. The natural environment will be protected and enhanced and play a key role in reducing the impact of climate change. The impact of agriculture should also be investigated to help this carbon intensive industry to help tackle climate change.



7 Low carbon lifestyles

Overall outcome:

York residents will be well-informed and living a greener, more sustainable lifestyle saving energy in their homes, reducing, reusing and recycling waste, walking and cycling and using public transport more, growing their own food and buying local produce.



9 Sustainable WoW (Without Walls Partnership)

Overall outcome:

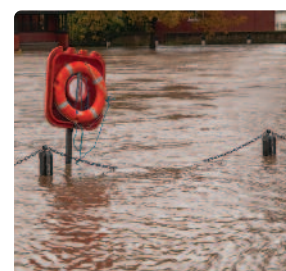
Drive forward carbon reduction and climate change adaptation actions across the partnership and the wider communities of York.

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10 Preparing for climate change

Overall outcome:

The city will continue to investigate and communicate the likely future impacts of climate change in York to ensure our businesses and communities are better prepared and protected.



4 Developing the Climate Change Action Plan

A consultation draft of this action plan was developed at the same time as the consultation draft of the Climate Change Framework, over a 2 year period, and by various partners across the city.

It was also developed through public consultation. During the months of June to September 2010 a consultation questionnaire was used to enable residents and local organisations to input into the development of the proposed city-wide plans. Public events, focus group meetings, presentation, ward committees/events and press articles were carried out to maximise coverage of the consultation.

Over one hundred responses were received and as a result of this consultation there was clear support for the proposed plans of the draft Climate Change Action Plan. Based on the comments there was also a need for both the Framework and Action Plan to be amended and strengthened in places. For a full account of the consultation process please refer to the Climate Change Framework (2010 – 2015). Where appropriate, amendments made as a result of the consultation are now included in the following identified plans.

5 Action plans

To drive forward the outcomes identified in section 3, a series of short term action plans have been agreed. The following section details these actions.

All outcomes from this action plan will contribute to delivering the accompanying Framework's headline targets and objectives. Please see the Climate Change Framework for more details on the targets and objectives.

This action plan, and future action plans, pre 2020, will also support York's commitment to the Friends of the Earth 'Get Serious' campaign and the EU's Covenant of Mayors campaign. As part of York's commitment to the Covenant of Mayors campaign, a separate Sustainable Energy Action Plan (from May 2010) will accompany this climate

change action plan (and associated climate change framework) and illustrates how York will meet the Covenant of Mayors requirements (for more details please see the Climate Change Framework - section 4).

It is acknowledged that some of the outcomes in this action plan will take a long period of time to achieve, many beyond the three year scope of this first plan. However, all actions detailed below are expected to make good progress towards achieving the overall outcomes of this action plan. All outcomes will continue to be addressed in all future action plans until the Climate Change Framework's targets are achieved.

Mitigation actions that will reduce CO2 emissions across York

1 Creating Sustainable Homes

Overall outcome:

The city will begin to dramatically reduce CO2 emissions from domestic properties by accelerating city-wide programmes and educational campaigns to increase the use of energy-efficient appliances and measures such as loft and cavity wall insulation in existing homes (including, where viable, historic homes) and in all new homes.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
1.1 Maintain and where possible improve the energy efficiency of York's private housing stock (and to include private rented homes, hard to treat homes and historic homes).	City of York Council/ Sustainability4Yorkshire (Energy Saving Trust Advice Centre for York and North Yorkshire) WoW	City of York Council/ Sustainability4Yorkshire (Energy Saving Trust Advice Centre for York and North Yorkshire) WoW
1.2 By 2011, achieve Decent Homes Standards in the City of York Council's social housing stock by completing energy efficient loft and cavity wall insulation programmes, boiler replacements and rendering programmes.	City of York Council/ Sustainability4Yorkshire	City of York Council Carbon Management Programme (2008 – 2013)
1.3 By 2013 develop programmes to accelerate the uptake of energy saving/ carbon saving measures beyond Decent Home Standard in York City Council's social housing stock.	City of York Council/ Sustainability4Yorkshire	City of York Council Carbon Management Programme (2008 – 2013)
1.4. To provide strong local leadership to investigate and develop a long term plan (up until 2020) to help private sector housing to meet the ambitious city targets of the CCF.	City of York Council/ Sustainability4Yorkshire/ WoW	Private Sector Housing Strategy 2011- 2013

Action/Target	Lead Partners	Delivery Mechanism
1.5 Investigate the feasibility of a city wide programme to accelerate the installation of energy efficiency measures and renewable technology in York's private sector housing in line with the Leeds City Regions Domestic Energy Efficiency Programme (DEEP).	City of York Council/ Sustainability4Yorkshire/ WoW	Private Sector Housing Strategy 2011- 2013
1.6 Between 2010- 2013 engage with over 7000 York homeowners to promote home energy efficient measures, grants and renewable energy installations.	Sustainability4Yorkshire/ City of York Council	Energy Saving Trust Advice Centre Annual Business Plan
1.7 By 2012 build on, and review, the City of York Council's Interim Planning Statement: Sustainable Design and Construction (2007) (in conjunction with the developments of York's Local Development Framework) and set new targets to reduce carbon dioxide emissions in new homes in line with the government's zero carbon homes target by 2016.	City of York Council	City of York Local Development Framework
1.8 By 2012, build 19 family sized council houses to high environmental standards including installed biomass boilers and PV panels.	City of York Council	CYC Asset Management

Some actions relating to private housing and energy efficiency will be developed through the Private Sector Housing Strategy 2011- 2013.



2 Sustainable Buildings

Overall outcome:

The city will begin to reduce CO2 emissions from non- domestic buildings by accelerating city-wide programmes and educational campaigns to increase the use of energy-efficient appliances and measures in existing buildings (including schools, and where viable, historic buildings) and in all new buildings.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
2.1.City of York Council to reduce its own CO2 emissions by 25% by 2013 (based on a 2007/08 baseline).	City of York Council	City of York Council Carbon Management Programme (2008 – 2013)
2.2 As part of the national 10:10 campaign, City of York Council to save approximately 1220 tonnes of CO2 emissions from March 2010 – March 2011.	City of York Council	City of York Council Carbon Management Programme (2008 – 2013)
2.3 Through the extensive promotion of current programmes run by the North Yorkshire Green Business Club, CO2 Sense and other support agencies in the region, coordinate a city wide programme from 2011– 2013 to help businesses in York to build, run and operate low carbon existing buildings.	City of York Council/ CO2Sense/North Yorkshire Green Business Club/WOW	Climate Change Action Plan for York 2010-2013
2.4 By 2012 build on, and review the City of York Council's Interim Planning Statement: Sustainable Design and Construction (2007) (to be updated into a Supplementary Planning Document in conjunction with the developments of York's Local Development Framework)and set new targets to reduce carbon dioxide emissions in all new non-residential developments (including leisure facilities, schools and refurbishments and conversions).	City of York Council	City of York Local Development Framework

Action/Target	Lead Partners	Delivery Mechanism
2.5 Implement the City of York Council's Sustainable Schools Strategy 2010 – 2013 and embed sustainability into school curriculums, buildings and encourage behavioral change amongst staff and pupils.	City of York Council	City of York Council Sustainable Schools Strategy 2010 - 2013
2.6 All new non-domestic buildings to be built to high environmental standards including energy efficiency measures and in line with the tightening of building regulations which lead to step changes in levels of energy efficiency in new buildings and zero carbon standards by 2019.	City of York Council	City of York Council's Interim Planning Statement: Sustainable Design and Construction (2007) (to be update into a Supplementary Planning Document in conjunction with the developments of York's Local Development Framework)

Work within schools will be developed through the City of York Council Sustainable Schools Strategy 2010 – 2013.

3 Sustainable Energy

Overall outcome:

The city will begin to understand and make full use of the potential for low carbon, renewable, localised sources of energy generation, and will begin to reduce York's reliance on fossil fuels for energy generation in the city's buildings.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
3.1 Between 2010-2013 accelerate the promotion of domestic renewable energy generation across the city.	Sustainability4Yorkshire/ City of York Council	Energy Saving Trust Advice Centre Annual Business Plan/Private Sector/Private Sector Housing Strategy 2011- 2013

Action/Target	Lead Partners	Delivery Mechanism
3.2 Based on the results of the Renewable Energy Viability Study for York, which highlights the potential for local renewable energy generation, begin in 2011, to prioritise viable projects for further investigation and financial packages/funding/detailed feasibility.	City of York Council	Climate Change Action Plan for York 2010-2013
3.3 Investigate EU funding for technical feasibility and business planning to support renewable energy projects as identified in the Renewable Energy Viability Study for York.	City of York Council	Climate Change Action Plan for York 2010-2013
3.4 Investigate detailed feasibility for CHP in the city as identified in Renewable Energy Viability Study for York	City of York Council	Climate Change Action Plan for York 2010-2013
3.5 Investigate detailed feasibility for a range of other renewable energy/low carbon energy generation in suitable sites across the city (as identified in the Renewable Energy Viability Study for York)	City of York Council	Climate Change Action Plan for York 2010-2013
3.6 Implement a sustainable, low carbon street lighting strategy that will save approximately 330 tonnes of CO2.	City of York Council	City of York Sustainable Street Lighting Strategy/ City of York Council Carbon Management Programme (2008 – 2013)
3.7 By 2012 build on, and review the City of York Council's Interim Statement: Sustainable Design and Construction (2007) (in conjunction with the developments of York's Local Development Framework) and create a Supplementary Planning Document that sets new targets to increase renewable energy generation in York's new developments.	City of York Council	City of York Local Development Framework

Action/Target	Lead Partners	Delivery Mechanism
3.8 By 2012 carry out a detailed feasibility study into the former British Sugar site and look to maximise viable renewable energy generation on site.	City of York Council and CO2 Sense	City of York Local Development Framework
3.9 Through the City of York planning process and the Council's Interim Statement: Sustainable Design and Construction (2007) continue to work with future major developers on large scale sites to implement appropriate renewable/low carbon energy generation technologies.	City of York Council	City of York Local Development Framework
3.10 University of York, FERA and Science City York to continue to build their reputation as world leaders in knowledge and research into replacement fossil fuels from plant based waste.	Science City York/ University of York and FERA (Food and Environment Research Agency)	Climate Change Action Plan for York 2010-2013
3.11 York to develop a cluster of research centres that will form a biorenewable development centre maximising the knowledge and expertise in fossil fuel replacement fuels, new products and feedstocks of the future.	Science City York/University of York and FERA (Food and Environment Research Agency)	Climate Change Action Plan for York 2010-2013

Please note that considerable investment may be required to deliver certain renewable energy projects identified above. Where funding is required this will form the immediate basis of any actions in this section. Any actions will also be subject to securing resources to carry out detailed site-specific feasibility studies.



4 Sustainable Waste Management

Overall outcome:

The city will continue to reduce greenhouse gas emissions from waste and will continue to minimise waste and reuse and recycle resources.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
4.1 Develop a City of York Council's Waste Management Strategy on the concept of Zero Waste. This will involve developing a holistic integrated approach to resource management.	City of York Council	City of York Council's Waste Management Strategy
4.2 Apply for Zero Waste Places Standard scheme accreditation and ongoing implementation of Zero Waste Places projects.	City of York Council	City of York Council's Waste Management Strategy
4.3 Aim for zero growth in waste from existing domestic properties and limit waste growth to that from new properties only. This will be achieved by influencing behavioral change through a continuous programme of targeted campaigns and community engagement.	City of York Council	City of York Council's Waste Management Strategy
4.4 Provide kerbside recycling and alternate week collection of residual waste to all households in the city.	City of York Council	City of York Council's Waste Management Strategy
4.5 Increase the percentage of household waste sent for reuse, recycling and composting to a minimum of 50%.	City of York Council	City of York Council's Waste Management Strategy
4.6 Provide a full waste management service to businesses. This will include a target of providing commercial waste recycling to 1,500 customers by 2013.	City of York Council	City of York Council's Waste Management Strategy
4.7 Reduce Biodegradable Municipal Waste going to landfill to meet the Council's Landfill Diversion targets by 2020.	City of York Council	City of York Council's Waste Management Strategy

Action/Target	Lead Partners	Delivery Mechanism
4.8 Work in partnership with North Yorkshire County Council and its constituent Waste Collection Authorities to deliver a Joint Waste Strategy and Private Finance Initiative to deal with the York and the subregion's residual waste for the next 25 years.	City of York Council North Yorkshire County Council and its constituent Waste Collection Authorities	City of York Council's Waste Management Strategy and York & North Yorkshire Waste Partnership's Waste Management Strategy

This work will be developed through the city's Waste Management Strategy and will be based on the concept of Zero Waste to help reduce the environmental impact of waste.

5 Sustainable Transport

Overall outcome:

The city will continue to implement measures to help people make smarter, sustainable travel choices, supported by a comprehensive, low emission, transport network. This will be achieved through the emerging Low Emission Strategy, Local Transport Plan 3 and the Local Development Framework (including the Core Strategy). All will help deliver reductions in carbon emissions and other harmful pollutants.



The new system will enable everyone to undertake their activities in the most sustainable way and to have a transport system that:

- Is less dominated by motorised transport
- Makes York easier to get around with better links to surrounding areas and other cities
- Enables people to travel in safety, comfort and security, whatever form of transport they use
- Provides equal access to opportunities for employment, education, training, good health and leisure for all
- Has the widest choice of transport available, with minimal impact on climate change and air quality.

This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
5.1 Continue programmes that increase the number of people walking, cycling, taking public transport and car sharing across York.	City of York Council Bus Operators Cycling City partner organisations	City of York Local Transport Plan 3 Cycling City Programme Local Sustainable Transport Fund

Action/Target	Lead Partners	Delivery Mechanism
5.2 The City of York Council with partners to achieve an increase in walking journeys and an overall increase in cycling trips. (Targets to be set inline with the LTP3 and added once the LTP3 is finalised in 2011).	City of York Council Cycling City partner organisations	City of York Local Transport Plan 3 Cycling City Programme Local Sustainable transport Fund
5.3 The City of York Council with partners to achieve an increase in people cycling to work and a reduction in the number of car trips to work. (Targets to be set inline with the LTP3 and added once the LTP3 is finalised in 2011).	City of York Council Cycling City partner organisations	City of York Local Transport Plan 3 Cycling City Programme Local Sustainable transport Fund
5.4 The City of York Council to continue to implement action of the Cycling City programme up until April 2011.	City of York Council Cycling City partner organisations	City of York Local Transport Plan 3 Cycling City Programme Local Sustainable transport Fund
5.5. In 2011 produce a Local Transport Plan 3 (for 2011 –2031) which will offer a wide choice of sustainable transport options, with minimal impact on climate change and air quality.	City of York Council	City of York Local Transport Plan 3 Programme Local Sustainable transport Fund
5.6 The Energy Saving Trust Advice Centre with partners to encourage residents in York to drive more efficiently, reduce the need to travel and explore sustainable travel alternatives. The Energy Saving Trust Advice Centre will engage local employers to expose the workforce to sustainable transport messages.	Sustainability4Yorkshire (Energy Saving Trust Advice Centre for York and North Yorkshire)	Energy Saving Trust Advice Centre Annual Business Plan
5.7 where possible, City of York Council to progress programmes such as Access York including the creation of new Park & Ride schemes in York.	City of York Council	City of York Local Transport Plan 3 Access York Bid

Action/Target	Lead Partners	Delivery Mechanism
5.8 Devise and implement a Low Emission Strategy (LES) for York in 2011. This will encourage the use and development of a low emission transport and planning system and will include the development of electric and other forms of low emission vehicles/fuels and the increase of low emission technologies via a low emission supplementary planning document.	City of York Council	City of York Council LES programme
5.9 Where feasible and viable, integrate transport related measures identified from city-wide carbon modeling study into future LTP3/other transport initiatives to ensure the transport sector in York supports the delivery of the CCF.	City of York Council	Climate Change Action Plan for York 2010-2013
5.10 Identify the essential infrastructure and other transport measures that are required to mitigate the impacts of projected growth from employment and housing (and associated transport emission) in York.	City of York Council	York's Local Development Framework Core Strategy LTP3

Please note that considerable investment may be required to deliver some of the sustainable transport projects above. Where funding is not identified/secured this will form the immediate basis of any future actions. Any actions will also be subject to securing resources to carry out the work and detailed feasibility.



6 Sustainable low carbon economy

Overall outcome:

The city will have accelerated programmes and educational campaigns that support businesses and organisations to reduce carbon emissions and waste across their operations, fleet and workforce. The city's economic strategies and spatial plans must also support the targets of this framework and action plan and help create green jobs and skills to enable York to transform its economy into a low carbon economy.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
6.1 Provide 2 hours of support/advice on environmental improvements to 45 SME businesses in York by 2012.	Sustainability4Yorkshire (North Yorkshire Green Business Club)	North Yorkshire Green Business Club Annual Business Plan
6.2 50 SME organisations in York to be full members of the North Yorkshire Green Business Club by 2012.	Sustainability4Yorkshire (North Yorkshire Green Business Club)	North Yorkshire Green Business Club Annual Business Plan
6.3 Hold 4 themed networking business events to engage with local businesses by 2012.	Sustainability4Yorkshire (North Yorkshire Green Business Club)	North Yorkshire Green Business Club Annual Business Plan
6.4 Please refer to section 2.3	City of York Council/ North Yorkshire Green Business Club	Climate Change Action Plan for York 2010-2013
6.5 Please refer to section 3.2	City of York Council	Climate Change Action Plan for York 2010-2013
6.6 City of York Council to lead by example and continue to develop and reshape the Council's services, facilities and behavior to become a low carbon council that has reduced CO2 emissions from across its estates and fleet by 2013.	City of York Council	City of York Council Carbon Management Programme 2008-2013

Action/Target	Lead Partners	Delivery Mechanism
6.7 City of York Council will reduce CO2 emissions associated with the goods and services it buys from other suppliers by 2012.	City of York Council 2010	City of York Corporate Strategy 2009-2012
6.8 Dependent on resources, the Without Walls Partnership to develop and accelerate coordinated programmes to promote sustainable procurement and the uptake of sustainable goods and services across the city and within the Without Walls Partnership.	Green Jobs Task Force	Green jobs Task Force Action Plan
6.9 Maximise the work with the City's higher education establishments and accelerate programmes and research to support the transition of York businesses and economy to a low carbon economy. Such work to include the University of York and the Centre for Low Carbon Futures which is focusing on research, development and demonstration of low carbon innovations; and Science City York, who are leading innovation internationally, nationally and locally through nationally significant bio-demonstration projects.	Green Jobs Task Force/ University of York/ Science City York/FERA	Green jobs Task Force Action Plan
6.10 Higher York and partners to look at skills development in relation to current and future "green" programmes/training, including construction, offered in the City. This work will link in with research being carried out by the Green Jobs Task Force and from the Renewable Energy Viability Study for York. These studies will highlight the direction of travel for future skills provision that will then be investigated and skills packaged created accordingly.	Higher York/Green Jobs Task Force	Green jobs Task Force Action Plan

Action/Target	Lead Partners	Delivery Mechanism
6.11 By 2013 the Construction Skills Academy in York to support 20 apprentices, achieve 20 NVQs (though on site employees) and 40 site visits from the local communities including primary and secondary schools.	Higher York	Construction Skills Academy Business Plan
6.12 Please refer to 3.2- 3.5.	City of York Council	Climate Change Action Plan for York 2010-2013

7 Low carbon lifestyles

Overall outcome:

York residents will be well-informed and living a greener, more sustainable lifestyle saving energy in their homes, reducing, reusing and recycling waste, walking and cycling and using public transport more, growing their own food and buying local produce.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
7.1 Please refer to sections 1.1 – 1.6.	City of York Council/ Sustainability4Yorkshire	Climate Change Action Plan for York 2010-2013/ City of York Council Carbon Management Programme (2008 – 2013)
7.2 Please refer to section 3.1.	Sustainability4Yorkshire (Energy Saving Trust Advice Centre for York and North Yorkshire)/ City of York Council	Energy Saving Trust Advice Centre Annual Business Plan
7.3 Please refer to section 4.3 – 4.4.	City of York Council	City of York Council's Waste Management Strategy and Waste Minimisation Strategy
7.4 Please refer to section 5.1 –5.8.	City of York Council	City of York Local Transport Plan 3

Action/Target	Lead Partners	Delivery Mechanism
7.5 By 2013 develop a city wide Edible York programme to promote the use of locally grown food and self sufficiency. Projects to include: five new public vegetable gardens; support York's libraries, housing associations and schools to become edible; a 'virtual orchard' with 50+ regional apple trees spread across the city; continue to redistribute unwanted fruit to charities across the city through the Abundance project; support food growing projects across the city; encourage more communities to initiate food growing in their neighbourhood; and create a network of York Edible Schools.	Edible York	
7.6 Deliver the Sustainable Schools Strategy and Action Plan. The purpose of the strategy is to outline the strategic approach of encouraging and supporting sustainable schools. The main aims are to maximise capacity for supporting schools, raise awareness, provide a comprehensive and flexible support package (both knowledge and people) for schools and ensure sustainability is integrated into all our support for schools.	City of York Council	City of York Council Sustainable Schools Strategy 2010-213
7.7 Complete the Bright Futures and green energy challenge with 10 primary schools in 2011. This project will engage the school community in a project that explores sustainability. All secondary schools have a similar challenge, but to create projects that think about future energy needs.	City of York Council/ Higher York/	City of York Council Sustainable Schools Strategy 2010-213
7.8 In 2011 promote and encourage all schools in York to attend the York and North Yorkshire Climate Change Exchange Conference for Young People.	City of York Council/ York and North Yorkshire Sustainable Development Officer Group/	RIEP Sustainable Schools Bid 2010

Action/Target	Lead Partners	Delivery Mechanism
7.9 Secure additional funding to support the continuation of the Sustainable City Education Programme which has from 2009-May 2011 worked with 12 schools to tackle climate change, energy and waste issues.	Friends of St Nicholas Fields/City of York Council	
7.10 In 2011 expand the successful York Green Neighbourhood Challenge and work with one community in York to reduce their carbon footprint by 11%.	City of York Council, Sustainability4Yorkshire/ SEI	RIEP Climate Change Fund (community engagement strand) – York and North Yorkshire Green Neighborhood Challenge
7.11 York in Transition to hold a future energy and open space conference in York In 2011.	York in Transition	
7.12 By 2013 develop a coordinated green network for York to act as a central source of information and communications regarding sustainable living and wider natural environmental issues.	Friends of St Nicholas Fields/York Environment Forum/ EPB	

8 Sustainable planning, agriculture and land use

Overall outcome:

Planning in York will help create an environmentally-friendly city with a diminishing ecological and carbon footprint. The natural environment will be protected and enhanced and play a key role in reducing the impact of climate change. The impact of agriculture should also be investigated to help this carbon intensive industry to help tackle climate change.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
8.1 please refer to Section 3.2.	City of York Council	City of York Local Development Framework/ Climate Change Action Plan 2010 - 2013

Action/Target	Lead Partners	Delivery Mechanism
8.2 Please refer to section 1.7, 2.4 and 3.7 and relating to supplementary planning documents to ensure higher standards for sustainable design and construction and renewable energy in all new future developments in York.	City of York Council	City of York Local Development Framework
8.3 As per Section 3.2 - 3.5.	City of York Council	City of York Local Development Framework
8.4 Through the emerging Local Development Framework and the Core Strategy devise a green infrastructure strategy and supplementary planning document by 2011.	City of York Council	City of York Local Development Framework
8.5 City of York Council to develop in 2011 a tree strategy for the city which supports the use of trees as effective measures against climate change.	City of York Council	City of York Local Development Framework
8.6 Through the emerging Local Development Framework look to create sustainable developments in all major new development sites including York Central/former British Sugar site/former North Selby Mine.	City of York Council	City of York Local Development Framework
8.7 Progress the York North West demonstrator project that will build 60 eco homes, including the construction of one eco-show home that will act as a base for sustainable construction training.	City of York Council	City of York Local Development Framework
8.9 Develop tools and programmes to support the agricultural sector in York to reduce their carbon footprint including support via actions 2.3.	WOW - Environment Partnership Board	
8.10 please refer to section 3.10-3.12.	Science City York/ University of York and FERA (Food and Environment Research Agency)	

9 Sustainable WoW (Without Walls Partnership)

Overall outcome:

Drive forward carbon reduction and climate change adaptation actions across the partnership and the wider communities of York.

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This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
9.1 Manage the implementation of this Climate Change Action Plan from 2010 - 2013.	Environment Partnership Board (EPB) and Climate Change Subgroup	Climate Change Action Plan from 2010 - 2013
9.2 To annually monitor progress of the Climate Change Action Plan 2010-2013.	Environment Partnership Board via City of York Council	Climate Change Action Plan from 2010 - 2013
9.3 See section 1.1.	City of York Council/ Sustainability4Yorkshire/ EPB	Climate Change Action Plan for York 2010-2013
9.4 See section 2.3.	City of York Council/ CO2Sense/ North Yorkshire Green Business Club/WOW EPB and Economic Development Partnership (EDP) and Business Forum	Climate Change Action Plan for York 2010-2013
9.5 By April 2011 launch the new Environmental Business Support Programme.	WoW - EPB and EDP and Business Forum	Climate Change Action Plan for York 2010-2013/ Green Jobs Task Force Action Plan
9.6 See section 6.8 - 6.10.	Green Jobs Task Force	Green Jobs Task Force Action Plan

Action/Target	Lead Partners	Delivery Mechanism
9.7 To reduce per capita CO2 (average per person) emissions in York by 12% by April 2011 (2005 baseline).	EPB	Climate Change Action Plan 2010-2013
9.9 EPB to work with WoW partnership to develop cross working programmes such as with Inclusive York and York @ Large.	EPB	Climate Change Action Plan 2010-2013
9.10 Please refer to 10.3.	EPB	Climate Change Action Plan 2010-2013

Adaptation actions

As we have seen there are actions that York can carry out to reduce CO2 emissions and help to tackle climate change now and in the future.

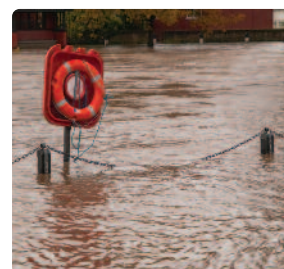
However, York needs to also prepare for some of the likely changes to our climate that are predicted to happen as a direct result of our past actions and the emissions these actions released into our atmosphere. Such actions that allow us to adapt to changes in our climate will help York to better

prepare and build resilience to climate change in the future. However, we can only adapt to a limited level of climate change. Therefore, this is why the Climate Change Framework and this action plan address both reducing carbon emissions and adapting to a changing climate. We need to reduce our carbon emissions now to ensure that we do not go beyond levels of change that will prevent us being able to adapt in the future.

10 Preparing for climate change

Overall outcome:

The city will continue to investigate and communicate the likely future impacts of climate change in York to ensure our businesses and communities are better prepared and protected.



This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
10.1 Utilising the Local Climate Impact Profile for York, undertaken, in 2011, a comprehensive risk based assessment of the City of York's council's vulnerabilities to weather and climate, both now and in the future.	City of York Council	Climate Change Action Plan 2010/2013

Action/Target	Lead Partners	Delivery Mechanism
10.2 From March 2011, and utilising the comprehensive risk assessments carried out in 10.1, identify the most effective adaptive responses and begin incorporating these into council strategies, plans, partnerships and operations.	City of York Council	Climate Change Action Plan 2010/2013
10.3 By 2013 mainstream climate change adaptation in the WoW partnership and encourage the WoW to identify major weather and climate vulnerabilities and opportunities that affect the delivery of the Sustainable Communities Strategy (2008-2025). This work to include a presentation to the WoW Board and tools to support the process with partners.	City of York Council/ WoW	Climate Change Action Plan 2010/2013
10.4 Continue to voluntarily use National Indicator 188 (adapting to climate change), and its guidance and matrix to achieve level 3 in 2013.	City of York Council/ EPB of WoW	NI 188: Adapting to Climate Change, Climate Change Action Plan 2010-2013
10.5 From 2011 incorporate any identified adaptation actions resulting from 10.1 – 10.4 above into this climate change action plan.	City of York Council/ EPB	Climate Change Action Plan 2010-2013
10.6 Work with sub-regional networks/agencies to investigate cross boundary/catchment level responses required to adapt to a changing climate in York and North Yorkshire.	City of York Council/ EPB/Sustainable Development forums/ Flood forums/ Environment Agency	Climate Change Action Plan 2010-2013 River Flood Plans Surface Water Management Plans

6 Other emission in York

The focus of this action plan centres on reducing CO2 emissions, and how to adapt to a changing climate. However, in the city other greenhouse gases such as ozone and nitrogen oxides (NO2) are also present. These emissions are monitored and controlled through Air Quality Management Areas (AQMA), the emerging Local Transport Plan 3

and the Local Development Framework. To strengthen actions to reduce emissions across the city, and to sit alongside this action plan, a low emissions strategy (LES) and action plan is being created. A summary of these actions as they currently stand are detailed below: (At the time of print this strategy was still being developed)

This will be achieved by:

Action/Target	Lead Partners	Delivery Mechanism
S.1 Devise and implement a Low Emission Strategy for York by 2012 that will transform York into a nationally acclaimed low emission city. Such a strategy will: 1. raise awareness and understanding of emissions to air. 2. minimise emissions to air from new developments. 3. reduce emissions to air from existing buildings and vehicles.	City of York Council	LES Delivery Plan
S.2 Create a low emissions supplementary planning document to ensure low emissions developments are created.	City of York Council	City of York LES/LTP3
S.3 Develop incentives for the use of low emission vehicles. In the short term this will be focused on CYC's fleet (in line with the recommendations of the ongoing fleet review) but also detailed investigations and feasibility into a network of electric vehicle charging points across the city.	City of York Council	City of York LES/LTP3
S.4 Progress the introduction of hybrid, electric/low emission buses across York.	City of York Council	City of York LES/LTP3

The Low Emissions Strategy for York will compliment both the Climate Change Framework and this climate change action plan, and lead to a quantifiable reduction in a wider range of emissions from across the city's homes, businesses, organisations and transport sectors.

7 Priority actions

Achieving the 2020 targets

In order to achieve the Climate Change Framework's overarching target of 40% reduction in CO₂ emissions by 2020, York will need to save approximately 676,000 tonnes of CO₂ in 2020 (this equates to saving around half of all of York's CO₂ emissions in 2005).

This is a very ambitious target, and the action plan above in section 5 will only deliver some of the required savings. An additional, prioritised list of essential actions is needed to ensure success beings to be delivered from 2010.

Over the next few years we need to undertake several research and feasibility projects to identify sites, partners and funding for:

- ▶ possible low carbon/zero carbon Combined Heat and Power schemes across appropriate sites in York.
- ▶ other low carbon/renewable schemes such as large-scale and medium-scale wind generation.
- ▶ citywide/area based domestic energy efficiency and renewable energy installation programmes
- ▶ citywide roll out of replacement transport fuels such as electricity.

(Please note – such schemes would only be installed where it is feasible, appropriate and inline with local planning policy)

Achieving the 2050 target

Such actions as detailed above will also support the Climate Change Framework's 2050 target, but this longer term target will also require additional actions between 2020 – 2050. There is still a considerable amount of uncertainty in national policy beyond 2020, and it is therefore difficult to determine the exact levels of local action York will

need to take post 2020 to achieve its 80% target. In addition to the actions identified in section 5 and 6, it is likely that all of the following will need to be maximised:

- ▶ additional Combined Heat and Power schemes.
- ▶ low carbon domestic heating improvements (retrofit) (this could include for example boiler replacements, air source or ground source heat pumps).
- ▶ low carbon non- domestic heating improvements (retrofit) (this could include for example boiler replacements, air source or ground source heat pumps).
- ▶ replacement road transport fuels with biofuels.
- ▶ replacement road transport fuels with electricity.
- ▶ decarbonisation of the national grid

(Please note that all measures relating to delivery of the 2020 and 2050 targets are subject to changes in national policy, detailed feasibility and available funding).

8 Implementation

This climate change action plan for York will be implemented by the Climate Change Subgroup of the Environment Partnership Board and key delivery organisations from across York.

Although many of the actions in this document can be achieved within the three year duration of this action plan, the supporting climate change framework is longer term in its outlook and with overarching outcomes and targets for up to 2050. While certain targets and goals in this action plan can be achieved relatively quickly, others will be only be achieved in future editions. All action plans will be reviewed every three years in order to monitor progress and accomplish the long term targets set out in the Climate Change Framework for York.

9 Monitoring

The Environment Partnership Board of the Without Walls Partnership will monitor this action plan annually, and provide a publicly available progress report every two years. Emission data (where available) and an action inventory will also be collated.

10 Take action today

In addition to this climate change action plan there are practical actions we can all take at home and at work. Below in Table 1 is a summary of these practical, everyday actions that residents, businesses, City of York Council and WoW partnership can start to take today. Many will save money too.

A comprehensive leaflet on creating a sustainable York with practical actions on tackling climate change is also available from some council reception desks and via the City of York Council's website at www.york.gov.uk/environment/sustainability/climatechange/ or from the WoW website at www.yorkwow.org.uk/sustainable-wow/

11 Conclusion

It is everyone's responsibility to take action to combat climate change. Residents and businesses can play a vital role in tackling climate change here in York. The Climate Change Framework and Action Plan will collectively help coordinate citywide action and ensure York reduces its CO₂ emissions.

By publishing the Climate Change Framework and Climate Change Action Plan, the Without Walls Partnership and City of York Council aim to set the standard for future action to alleviate the effects of

climate change, raise awareness among local people about the likely impacts of a changing climate, and work with residents and businesses to develop a more sustainable York.

For residents and businesses in York these documents, over their duration, will help them all to live and work in a York that looks more or less the same but is sustainable, low in carbon emissions and adapted to a changing climate.

A place where they:

- ▶ live and work in energy-efficient buildings with smaller fuel bills
- ▶ drive less and walk and cycle more
- ▶ use renewable sources of energy to heat buildings or power cars and buses
- ▶ create less waste, recycle and compost more
- ▶ are better prepared for a changing climate.

General enquiries

For more information on tackling climate change in York and for updates on many of these actions please **visit** www.york.gov.uk/environment/sustainability/ or

Call on 01904 551550

Email: sustainability@york.gov.uk

Post: City of York Council, City Strategy,
9 St Leonard's Place, York YO1 7ET

Table 1: Table illustrating all the actions that can be taken across York

Actions Residents	Resident	Business/ Organisation	City of York	Without Walls Partnership
Find out your carbon footprint at www.actonco2.com and take actions to reduce it.				
Improve your home				
Don't waste energy in your home, turn off appliances at the mains when you are not using them.				
Insulate your home/ building and install double glazing				
Use energy efficient appliances like light bulbs.				
Call the Energy Saving Trust Advice Centre in York on 0800 512012 for more ideas and possible financial support. They can also advise you on generating your own renewable energy and how it could make you money.				
Out and about				
Reduce the number of short trips you make in the car.				
Walk more.				
Cycle more. To find out cycle routes in York visit www.york.gov.uk/transport .				
Take a bus instead of your car. To find the services you need visit www.traveline.org.uk .				
When you do have to go out in your car, car share where possible. Visit www.carshareyork.com for more details.				


Actions Residents	Resident	Business/ Organisation	City of York	Without Walls Partnership
For more advice read 'Are you carwise in York?' (available from www.york.gov.uk/environment/sustainability/).				
Reduce, reuse and recycle				
Use your kerbside recycling facilities.				
Buy goods with minimum packaging.				
Reuse carrier bags or use a bag for life.				
Stop junk mail via the Mail Preference Service. Call 0207 291 3310.				
Consider using 'real nappies'.				
Donate unwanted but useable items to charity shops and unwanted furniture to the York Community Furniture Store.				
For more ideas visit www.york.gov.uk/environment/waste/				
Compost and grow your own food				
Buy a compost bin and use organic waste from the kitchen and garden to create your own compost. For more details visit www.york.gov.uk/environment/waste/				
Grow you own vegetables in your garden (or equivalent).				
Buy local produce.				






Table 1: Table illustrating all the actions that can be taken across York

Actions Businesses	Resident	Business/ Organisation	City of York	Without Walls Partnership
Calculate your carbon footprint and devise a carbon reduction action plan/programme to reduce it. For more details visit www.carbontrust.co.uk				
Look to reduce the impact the goods and services you buy have on the environment. Including devising a Sustainable Procurement Strategy/plan and look at an environmental management system. For more details visit www.businesslink.gov.uk				
Investigate the use of renewable energy on your premises to generate energy. If this is not possible ask your energy provider to supply you with a green tariff from renewable energy sources in UK. Visit www.carbontrust.co.uk				
Carry out a waste audit to understand what waste you create and then create a waste reduction plan/programme (including waste minimisation and recycling) visit www.businesslink.gov.uk				
Understand your organisation's travel patterns and requirements and then devise plans/programmes to increase the number of employees and customers walking, cycling, utilising public transport and lift sharing. This could involve the creation of a travel plan.				
Raise employee and customers awareness of tackling climate change. Visit www.businesslink.gov.uk for more details.				

Actions Businesses	Resident	Business/ Organisation	City of York	Without Walls Partnership
Businesses should also visit the York Environmental Business Support Website. This website is part of the regional Environmental Business Support Programme that has been developed to provide resources and tools to help businesses to go green, minimise waste, carbon emissions and costs. www.york.greenerbusiness.org.uk/articles/regional/home				
Build or re-furbish buildings to the highest sustainable design. Visit www.york.gov.uk/environment/Planning/guidance/				
Devise a city wide programme to accelerate energy efficiency in our homes.				
Continue to promote the Energy Saving Trust Advice Centre and Energy Partnership and promote home energy efficiency improvements, grants and renewable energy across the city.				
City of York Council, to build on, and review the City of York Council's Interim Statement: Sustainable Design and Construction (2007), this will be in conjunction with the developments of the city's Local Development Framework and will set targets to reduce carbon emissions in homes in line with the government's zero carbon homes standard by 2016.				
City of York Council to use the renewable energy viability study for York to make fuller use of the potential for local renewable energy generation across York.				

Actions Businesses	Resident	Business/ Organisation	City of York	Without Walls Partnership
Through the emerging Local Development Framework City of York Council to look to create sustainable communities in all major new development sites including York Central and British Sugar Site.				
City of York in partnership with Higher York and the Green Jobs Taskforce to develop a citywide programme to accelerate training and employment opportunities in the 'green sector' focusing on energy efficiency and renewable energy.				
City of York to develop and implement a sustainable street lighting strategy that will reduce the carbon emissions associated to street lighting across York.				
City of York Council with partners reduce the percentage of municipal waste sent to landfill.				
Work in partnership with North Yorkshire County Council to deliver a Joint Waste Strategy to deal with the area's rubbish for the next 25 years.				
City of York Council with partners to continue programmes to increase the number of people walking, cycling, taking public transport and car sharing across York.				
By 2011 the City of York Council with partners to create a Local Transport Plan 3 with minimal impact on climate change and air quality.				

Actions Businesses	Resident	Business/ Organisation	City of York	Without Walls Partnership
City of York Council to lead by example and continue to develop and reshape the council's services, facilities and behaviour to become a low carbon, resilient to climate change, Council.				
The Without Walls to finalise the CCF and CCAP.				
The Environment Partnership Board to continue to lead on the CCF and CCAP.				
Subject to resources, the Without Walls Partnership to develop and accelerate coordinated programmes to promote sustainable procurement and the uptake of sustainable production and consumption across the city and within the Without Walls Partnership.				
The Without Walls Partnership to work with the city's higher education establishments and to accelerate programmes and research to support the transition of York businesses and economy to a low carbon economy.				
The Without Walls Partnership to develop and accelerate, with key agencies, programmes that will generate the creation of green sector jobs in York.				
The Without Walls Partnership to develop and accelerate, with key agencies, additional business support and training for businesses to help them to become more sustainable and tackle climate change (including packages to help businesses adapt and build resilience to climate change).				

Actions Businesses	Resident	Business/ Organisation	City of York	Without Walls Partnership
The 8 Partnerships of the Without Walls should provide inspired on-going leadership regarding climate change.				
Continue, where viable, the various local community carbon reduction campaigns including the Sustainable City Education Campaign and Green Neighborhood Challenge.				
The Without Walls Partnership to ensure the framework and action plan predict and forecast what York will need to do over the next 40 years to ensure the national target of an 80% reduction in CO2 emissions is achieved by 2050.				

If you would like this information in an accessible format (for example in large print, on CD or by email) or another language please
phone: 01904 551550 or
email: sustainability@york.gov.uk

This information can be provided in your own language.

我們也用您的語言提供這個信息 (Cantonese)

Ta informacja może być dostarczona w twoim własnym języku. (Polish)

Bu bilgiyi kendi dilinizde almanız mümkündür. (Turkish)

 **01904 551550**