

Progress on Environmental Sustainability

Appendix 1

Menu of commitments and actions for Climate Local authorities

Introduction

This menu provides Climate Local councils with suggestions of commitments and actions that councils can sign up to. It covers commitments and actions for councils through their roles as a community leader, a service provider and an estate manager. It also incorporates suggestions for councils 'starting out' in their journey to become a climate-smart council, as well suggestions for commitments and actions to mainstream climate change into the corporate heart of a council.

This list is **not exhaustive**, but instead is intended to provide **examples** across the range of activity that councils can undertake on climate change. Councils are encouraged to adapt these suggestions to suit their own priorities and to create their own locally-determined commitments and actions.

The commitments and actions are split into five broad categories in eight main topic areas:

Topic areas	Categories
• Mainstreaming climate change	• Starting out
• Energy	• Corporate commitment and skills
• Local economic growth	• Community leader
• Natural environment	• Service provider
• Planning and the built environment	• Estate manager
• Transport	
• Waste	
• Health and communities	

In addition, they are categorised according to the key areas of opportunity for councils to address climate change:

These categories are not mutually exclusive and some commitments and actions may be applicable across a number of them, although for simplicity they are generally only included in one.

Mainstreaming climate change

Local Commitment “We will...”	Local Action “By...”	What we are doing in Bolton
Starting out		
Demonstrate political commitment to acting on climate change	<ul style="list-style-type: none"> Informing the public and local stakeholders of our commitment to tackling climate change through Climate Local Allocating sufficient human resources, supported by a clear mandate and adequate budget, to enable the council to drive action forward 	<ul style="list-style-type: none"> The council signed the Nottingham Declaration and the North West Climate Change Charter in November 2006. Signing Climate Local will demonstrate political commitment to climate change.
Establish our baseline , both in terms of greenhouse gas emissions and vulnerability to climate impacts	<ul style="list-style-type: none"> Undertaking a baseline review of the area’s energy consumption and greenhouse gas emissions Assessing future vulnerability to climate impacts (establish the evidence base using LCLIPs, local flood-risk assessments, information from SEA, national CCRA etc) (see also Service provider – build resilience into the Local Plan) 	<ul style="list-style-type: none"> The GM footprinting study 2011 provides a total carbon footprint of each district in GM. Local Climate Impacts Profile (LCLIP) completed, to identify recent historical and current vulnerabilities, and to identify likely climate pressures for future.
Set out a strategy with aspirational and practical targets for managing the causes and impacts of climate change across our estate, services and the wider community	<ul style="list-style-type: none"> Developing a vision for how our local area intends to cut emissions and manage the impacts of climate change over the next 5 to 10 years Producing a strategy for cutting emissions and managing the impacts of climate change across the council’s estates, services and the wider community Establishing clear targets and measures of progress as well as annual reporting processes Creating a community-wide forum or partnership to coordinate local action on climate change. This will be underpinned by sufficient resources. 	<ul style="list-style-type: none"> The GM Climate Change Strategy outlines four headline visions for Greater Manchester by 2020: <ul style="list-style-type: none"> A rapid transition to a low carbon economy Collective carbon emissions reduced by 48% Be prepared for and actively adapting to a rapidly changing climate 'Carbon literacy' will have become embedded into the culture of organisations, lifestyles and behaviours The Bolton Vision 2012-2015 has a target to reduce CO2 emissions by 1,700 tonnes by reducing carbon from buildings, street lights and council operations over the plan period. Carbon Management Plan 2008-2013 target 20% by 2013. Most of the projects contained within the original Carbon Management Plan have been completed.

Local Commitment “We will...”	Local Action “By...”	What we are doing in Bolton
		<p>Individual projects are reported to the Carbon Board.</p> <ul style="list-style-type: none"> • The Cleaner, Greener Strategy 2012 -2015 (C&G Strategy) sets out the council and its partners approach to creating a cleaner, greener and more sustainable Bolton. There is a target to reduce the CO2 emissions of the Councils operations by 1,700 tonnes by 2015. • The C&G strategy contains an action plan. Progress is monitored and reported to the Cleaner & Greener Partnership Board.
Corporate commitment and skills		
Secure political commitment and responsibility for taking action on climate change	<ul style="list-style-type: none"> • Providing briefing and training to Members and other key decision-makers on the benefits and opportunities of tackling climate change, highlighting the contribution action can make to other council priorities (social, economic, employment, environmental) • Appointing a Lead Member (or Members) with responsibility for climate change • Developing guidance and training for Members and senior managers on integrating climate change into decision-making 	<ul style="list-style-type: none"> • Training sessions were held on environmental sustainability with council Members in 2008/09. • Training sessions were held for senior managers on environmental sustainability in 2008/09. • Managers were trained on climate change through their involvement in the Carbon Management Plan.
Integrate climate change into council decision-making processes	<ul style="list-style-type: none"> • Integrating climate change priorities and targets into all key corporate projects, programmes and strategies • Integrating climate change into impact & policy appraisal processes • Ensuring climate change is appropriately addressed within our risk management and business continuity processes 	<ul style="list-style-type: none"> • Climate risks to council identified in Climate risk register. Council Departments briefed on incorporating climate risk into decision-making.

Local Commitment	Local Action	What we are doing in Bolton
“We will...”	“By...”	
Ensure organisational structures are in place to take forward action across the council	<ul style="list-style-type: none"> • Allocating sufficient human resources, supported by a clear mandate and adequate budget, to enable the council to drive action forward • Establishing a programme board involving of key decision-makers and with a clear mandate for action • Creating working groups constituted of representatives from key departments and stakeholders to undertake delivery of key actions 	<ul style="list-style-type: none"> • The council has a Carbon Board in place which consists of 3 Council directors (Keith Davies, Malcolm Cox and Steve Amfield). • A sustainability working group, chaired by Tim Hill (Chief Planning and Housing Officer) meets regularly.
Improve the awareness, engagement and knowledge of our staff and service providers	<ul style="list-style-type: none"> • Organising staff awareness campaigns to raise awareness of mitigation and adaptation measures they can put into practice in the work place or at home • Integrating climate change awareness into induction programmes for Members and staff • Organising targeted staff training for council officers whose jobs have particular relevance to climate change (e.g. planning officers) • Improving staff preparedness for providing business continuity during service weather events 	<ul style="list-style-type: none"> • Green Liaison Officers (GLO) Scheme in place since 2010. GLOs are a network of volunteer green champions that promote sustainability within the workplace. • The aim of the GLOs is to provide staff with a way of working with the council to reduce the council's carbon footprint. • Big Switch Off campaign is led by Corporate Property to encourage all staff to do their bit to switch off lights, monitors and other technologies when not in use.
Identify and implement ways for our finance department to actively support climate change action	<ul style="list-style-type: none"> • Creating revolving funds ('spend to save schemes') to support projects with large potential energy savings and longer payback periods, reinvesting savings in further energy projects • Sourcing external funding for climate change action (e.g. ECO funding) • Establishing arms length delivery vehicles and securing innovative financial arrangements for climate change projects and programmes • Encouraging sustainable procurement 	<ul style="list-style-type: none"> • Large tenders are divided up into smaller bundles to encourage smaller, local businesses to bid to work for the council. • 10% of marks for all tendered contracts are scored against sustainable criteria. • Corporate Property Services use whole life costing techniques when assessing capital projects.

Local Commitment	Local Action	What we are doing in Bolton
“We will...”	“By...”	
Build support from stakeholders and the wider public	<ul style="list-style-type: none"> • Informing and educating stakeholders and the wider public about the benefits and opportunities of taking action on climate change (e.g. through newsletters, events, site visits, websites, social media, etc) • Engaging with stakeholders in the decision-making process (e.g. through running workshops or focus groups, creating or supporting public forums, etc) • Creating/maintaining/developing partnership working on all aspects of climate change action • Creating a climate change champions programme • Promoting demonstration projects on climate change adaptation and mitigation (e.g. decentralised energy plants) and reporting successes • Encourage stakeholders and community groups to develop their own climate change action plans 	<ul style="list-style-type: none"> • A Community Climate Change Conference was held in 2010. • Information on climate change available on the Bolton Council website.
Monitor and report on actions and progress	<ul style="list-style-type: none"> • Producing an annual report of progress on climate change targets and actions 	<ul style="list-style-type: none"> • The Council submits an annual Carbon Reduction Commitment (CRC) return to the Environment Agency. • The Cleaner Greener partnership producing an annual report on targets and actions. This includes targets on ‘reducing our environmental impact.’

Energy

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
Starting Out		
Measure energy consumption and greenhouse	<ul style="list-style-type: none"> • Quantifying the local authority baseline estate emissions if not done so already – this will probably have been done through the CRC or other commitments • Undertaking a baseline review of the area’s energy consumption and greenhouse gas emissions 	<ul style="list-style-type: none"> • The Council are required to submit a footprint report to the Environment Agency as part of the requirement under the Carbon Reduction Commitment. The Council’s CO₂ emissions for 2010-2011 (financial year) was 34,519 Tonnes of CO₂.

gas emissions on our estate, our services and our local area	<ul style="list-style-type: none"> • Reviewing the area's potential for energy efficiency improvements and renewable energy generation 	<ul style="list-style-type: none"> • Connected: Greater Manchester Energy Plan sets out the current situation, potential issues and proposed solutions for a more sustainable and secure energy future.
Set out a strategy with clear targets for managing the causes and impacts of climate change across our estate, services and the wider community	<ul style="list-style-type: none"> • Developing a vision for how our local area intends to cut emissions and manage the impacts of climate change over the short to medium term • Producing a strategy for cutting emissions and managing the impacts of climate change across the council's estates, services and the wider community • Establishing clear targets and measures of progress as well as annual reporting processes 	<ul style="list-style-type: none"> • The GM Climate Change Strategy • The Bolton Vision 2012-2015 has a target to reduce CO2 emissions by 1,700 tonnes by reducing carbon from buildings, street lights and council operations over the plan period. • Carbon Management Plan 2008-2013 target 20% by 2013. • The Cleaner, Greener Strategy 2012 -2015 • The C&G strategy contains an action plan. Progress is monitored and reported to the Cleaner & Greener Partnership Board.
Community Leader		
Promote renewable and low carbon energy use and reduce our area's dependency on finite energy resources	<ul style="list-style-type: none"> • Evaluating the opportunities for renewable energy deployment in the local area and developing a 'route map' to guide action • Creating an Energy Services Company to provide energy services to our own estate, local businesses and communities • Exploring the potential for appropriately designed landfill gas and energy from waste schemes • Assessing the potential for CHP and District Heating scheme developments across the community • Working with energy companies to ensure that energy systems are resilient to extreme weather, likely climate changes and to energy security challenges 	<ul style="list-style-type: none"> • Connected: Greater Manchester Energy Plan sets out the current situation, potential issues and proposed solutions for a more sustainable and secure energy future.
Promote community action on reducing carbon emissions in	<ul style="list-style-type: none"> • Providing grants or loans for community carbon reduction projects and signposting community groups to external sources of support and funding • Sharing expertise and advice with community groups • Developing 'demonstration' projects to show what can be done and to inspire others to act 	<ul style="list-style-type: none"> • Greater Manchester (GM) Group looking at opportunities under the ECO element of the Green Deal. (Green Deal will be in place by January 2013) GM has secured funding from the government to pilot the Green Deal. • Bolton council offer support to residents to make their

our area	<ul style="list-style-type: none"> • Training community groups, tenants and other local residents to provide energy advice • Promoting awareness of FITs and the RHI among the local population • Encouraging installation of small scale renewable energy devices and CHP/DH schemes by local developers, businesses and individuals, and supporting and advising communities interested in developing renewable energy schemes • Engaging with energy companies to promote community funds as part of clean energy developments 	<p>home more efficient; including</p> <ul style="list-style-type: none"> • Better behaving boilers -Giving £800 grants to homeowners and tenants who have no boilers. • Insulation schemes targeting the most deprived areas. • Green Loan scheme in conjunction with Hoot Credit Union. • Working with the NHS • Regular campaigns and public events to increase awareness of healthy room temperatures and energy efficiency in the home, for example the annual Energy Shop. • Working with private sector landlords • Plans to bring empty homes back to use • Working with housing association partners to develop retrofit show homes at sites such as St Vincent's in Farnworth.
Service provider		
Ensure all services commissioned by the council are playing their role in reducing greenhouse gas emissions	<ul style="list-style-type: none"> • Integrating energy and other sustainability criteria with financial considerations when developing tenders for services • Actively working with service providers to reduce their carbon footprint and to develop local business 	<ul style="list-style-type: none"> • 10% of marks for all tendered contracts are scored against sustainable criteria. • Groundwork Bury and Bolton provide support to local businesses to encourage them to reduce their waste and Co2 emissions.
Using the planning system to promote renewable energy development and a low carbon economy	<ul style="list-style-type: none"> • Adopting planning policies that actively encourage renewable and decentralised energy generation, both large scale (e.g. onshore wind farms) and small scale (e.g. on-site renewable energy requirements for new build) 	<ul style="list-style-type: none"> • The council has adopted the Core Strategy, which includes policies flood risk, green infrastructure, biodiversity, renewable energy and sustainable development. • The council and its partners have constructed sustainable buildings, including Bolton One, which is has been awarded a BREEAM excellent certificate

Raise awareness and knowledge of ways the public can reduce their greenhouse gas emissions	<ul style="list-style-type: none"> • Involving public-facing services (e.g. schools, museums and libraries) in public awareness campaigns on renewable energy 	<ul style="list-style-type: none"> • Regular campaigns and public events to increase awareness of healthy room temperatures and energy efficiency in the home, for example the annual Energy Shop.
Estate Manager		
Promote use of sustainable procurement	<ul style="list-style-type: none"> • Developing a sustainable procurement plan for all council purchasing that encourages low energy and more sustainable options and also promotes local purchasing where possible • Assessing the carbon footprint of the good and services we procure, in order to understand the impacts of our existing procurement and commissioning • Producing a sustainable procurement code of practice • Utilise whole-life costing when assessing all capital projects • Buy 100% renewable energy for our own buildings and operations 	<ul style="list-style-type: none"> • We encourage smaller local businesses to work for the council by dividing up large tenders into smaller lots or bundles. • 10% of marks for all tendered contracts are scored against sustainable criteria. • Corporate Property Services use whole life costing techniques when assessing capital projects. • The Council has procured energy from a green tariff for several years.
Promote the use of clean energy on council land and property	<ul style="list-style-type: none"> • Introducing or refreshing a Carbon Management Plan for existing council estate • Setting targets to boost the amount of energy that is generated on-site from renewables • Investing in CHP and District Heating schemes for council buildings and social housing and seeking to develop schemes jointly with other large energy users • Promoting lower energy use in street lighting 	<ul style="list-style-type: none"> • Carbon Management Plan 2008-2013. • Carbon saving projects implemented include; • Installing powerPerfectors in Bolton Town Hall, Bolton Market (powerPerfectors optimise voltage, which make electrical equipment use less energy) this saves the council £65,850 a year. • There are a number of renewable installations on the council's estate. Including; • Solar PV installations at the Valley School, Queensbridge School, Ucan Centre and Cherry Tree School. • The council is in phase 1 of a seven year programme of improving the efficiency of street lighting. The project will involve the council borrowing £9.8million over 7 years. By the end of year 7 the council will reach an annual saving in excess of £300,000 per annum. It will reduce inspection and maintenance

		costs as the streetlights can alert engineers of any problems. Bolton is the first council to install LED lanterns which are CMS (central management system equipped.)
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Local economic growth

Local Commitment “We will...”	Local Action “By...”	What are we doing in Bolton?
Community Leader		
Promote a low carbon local economy and encourage investment in green jobs and business in our area	<ul style="list-style-type: none"> Working with the Local Enterprise Partnership to put low carbon growth at the centre of local plans for local economic development Developing an action plan to strengthen the area’s digital infrastructure and deliver innovative ICT solutions to save energy within the council and across the community Encourage low-carbon business into the area, identifying incentives for them to locate locally Create a portfolio of retrofit projects which pilot innovation and support local jobs, skills and training Developing a low carbon investment strategy and prospectus for the area Working to provide opportunities through Green Deal for local businesses and local job creation Encouraging the provision of local training for green skills where required (e.g. insulation installation) Create a scheme (e.g. loyalty card scheme) to encourage people to support local businesses 	<ul style="list-style-type: none"> The council utilises the Nightwatchman computer programme. This programme automatically turns off any computers left on after 7pm. Taking into account licensing, implementation and maintenance costs, NightWatchMan will save the council around £20,000 and 200 tonnes of Co₂ a year. AGMA will work with the Green Deal Skills Alliance (GDSA), an organisation comprising three groups which help local businesses develop and train staff in the skills needed to use green technologies sQuid operate a number of payment and loyalty schemes in Bolton, with the Council, University, College and Arriva buses as well as local retailers. A Markets loyalty card scheme was launched in 2011, with shoppers rewarded with a 10% cashback every time they use the card.
Support local businesses to become more energy efficient and to install renewable energy	<ul style="list-style-type: none"> Developing a business emissions reduction strategy or action plan Implementing a support programme for local businesses to improve their competitiveness by reduce their energy use Working with the Green Deal as a partner, provider or advocate (or other mechanisms) to introduce retro-fit schemes, and encourage take-up of renewable energy, in non-domestic buildings 	<ul style="list-style-type: none"> Groundwork Bolton and Bury encourage businesses to reduce their waste and CO2 emissions through the environmental business support programme.

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
	<ul style="list-style-type: none"> Supporting and encouraging local businesses in becoming more environmentally and socially responsible (e.g. green awards, climate change ambassador programme) Promoting and enforcing energy labelling schemes through trading standards 	
Build business resilience to climate change	<ul style="list-style-type: none"> Assessing future vulnerability of businesses to climate impacts (establish the evidence base using LCLIPs, local flood-risk assessments, information from SEA, national CCRA etc) Working with the business community to identify the risks and opportunities to local businesses of projected climate impacts Working with businesses to create an action plan to address risks and capture opportunities from future climate changes Providing support to businesses on developing business continuity plans and adaptation measures 	<ul style="list-style-type: none"> Local Climate Impacts Profile (LCLIP) completed, to identify recent historical and current vulnerabilities, and to identify likely climate pressures for future.
Promote a sustainable and resilient food supply chain	<ul style="list-style-type: none"> Develop an action plan for making the area's food supply sustainable Implement a sustainable food procurement policy for food supplied through the council's estates and services Support and extend existing community growing projects and encourage more people to grow food at home Identify the impacts of climate change on food security and implement actions where necessary 	<ul style="list-style-type: none"> Bolton has been a Fairtrade town, since 2003. The council unanimously passed a Fairtrade resolution in 2009. The PCT/ Public Health work to promote community growing projects, and encourage people to grow at home.
Promote a sustainable tourist industry	<ul style="list-style-type: none"> Implementing planning policies that encourage the location of major tourist attractions and facilities in sites that are accessible to public transport and encourage them to implement green travel plans Encouraging tourist attractions, accommodation and services to be more energy efficient Encouraging less energy intensive activities such as walking and cycling 	<ul style="list-style-type: none"> Cycling strategy currently being reviewed by TfGM. Subsequent review/renewal of Bolton Cycling Strategy is due. Partnership with British Cycling/Sky primarily for sport development but to encourage cycle activity. Also partaking in campaigns such as GM Cycle Challenge and Walk to Work Week. Risk to tourism is a component of the adaptation risk

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
	<ul style="list-style-type: none"> Giving visitors advice on travelling to attractions by means other than a car Undertaking a review of the risk and opportunities to our local tourist and hospitality industry of projected climate changes 	analysis.

Natural environment

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
Community Leader		
Promote biodiversity, greenspace and green infrastructure that helps the area adapt to climate change	<ul style="list-style-type: none"> Working with Natural England, the Environment Agencies, landowners, businesses and communities, develop an approach to the management of natural resources in your area that is based on the principles of 'ecosystem services' and the promotion of green and blue infrastructure 	<ul style="list-style-type: none"> Partnership in AGMA /EA Green Infrastructure Project GM Climate Change Strategy Implementation Plan – partner. Irwell & Croal catchment pilot scheme – partnership works with EA. West Pennine Moors Partnership
Service provider		
Promote the resilience of natural systems through the Local Plan	<ul style="list-style-type: none"> Assessing future vulnerability to climate impacts (establish the evidence base using LCLIPs, local flood-risk assessments, information from SEA, national CCRA etc) (see also Starting Out – Assessing vulnerability) Working with partners to identify appropriate mitigation actions for local area (e.g. water companies, statutory advisory bodies) and developing local policies to manage these risks long term (e.g. on location of development, on standards for new build, on new green space) Work with water companies to ensure that local water supply systems are more resilient to periods of drought Promote the use of trees and vegetation that prevent rapid run off and therefore protect areas from flooding Promoting the use of SUDS (Sustainable Urban Drainage 	<ul style="list-style-type: none"> The council has prepared strategic flood risk assessments for the Borough and formulated its planning policies accordingly. Partnership work with Lancs Wildlife Trust to re-wet mossland sequestering carbon, reducing surface water flows and therefore flooding & improving habitat quality Trees & woodland section provide landscape advice on planning & development applications. In partnership with Red Rose Community Forest promote use of trees to reduce waterlogging, reduce erosion, create shade & counteract heat island effect. Red Rose Forest partner promoting SUDS to address limited understanding, advice and take up of SUDS

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
	<p>Systems), permeable paving, on site water storage and other measures that boost resilience</p> <ul style="list-style-type: none"> Monitoring the implementation of these policies e.g. on location of development in flood-risk areas, delivery of SuDs or water efficient development 	systems.
Protect and enhance the resilience of area's biodiversity to projected climate changes	<ul style="list-style-type: none"> Developing plans to conserve existing biodiversity Developing ecologically resilient and varied landscapes Establishing ecological networks through habitat protection, restoration and creation Integrating adaptation and mitigation measures into conservation management, planning and practice 	<ul style="list-style-type: none"> Project to protect and enhance areas of biodiversity by expanding network of LNRs. Planting and maintenance of native and mixed woodlands to sequester carbon, provide shady recreation and biodiversity enhancement & protection. Use of current best practice management in habitat and woodland management. Reduction of intense management of park and greenspace areas. Habitat quality evaluation method put in place and implemented.
Ensure our parks and recreation facilities are well-adapted to the changing climate	<ul style="list-style-type: none"> Ensuring parks and recreational facilities are resilient to projected seasonal changes in ground conditions (e.g. by improving drainage systems to alleviate greater risks of flooding and water-logging in winter) Adapting traditional and heritage park and garden planting schemes to take account of projected climate changes Providing adequate shaded areas to enable use of parks and recreational areas in periods of high temperatures Introducing water harvesting and conservation measures to improve the use of scarce water resources Ensuring buildings in parks and recreational areas are adapted to climate change (e.g. in relation to flood risks, high temperatures, risk of storm damage) 	<ul style="list-style-type: none"> Park, greenspace and recreational facilities adapt to climate changes by adjustment of management regimes and variation of frequency of use. Reduction in mowing frequency and introduction of traditional meadow management techniques to increase habitat and provide habitat buffers against climate change pressures. Seek to maintain tree and woodland cover in parks and open green spaces. Tree cover integrated into landscapes whenever appropriate. Water not scarce here. Use to provide wetland habitat where suitable.
Estate Manager		
Promote green infrastructure and biodiversity across the Council estate	<ul style="list-style-type: none"> Develop a plan for the management of the Council estate that promotes biodiversity, natural habitats and adaptation 	<ul style="list-style-type: none"> Pictorial Meadow provision to enhance landscape and promote wildflower/bee friendly management of grassland. LNR development programme to protect and enhance

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
		habitats across the borough. <ul style="list-style-type: none"> • West Pennine Moors management plan (web site) • Bolton BAP (2001-2011 – needs review) • Local Development Framework objectives & policies.

Planning and the built environment

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
Community Leader		
Promote community action on reducing carbon emissions in our area	<ul style="list-style-type: none"> • Providing grants or loans for community carbon reduction projects and signposting community groups to external sources of support and funding • Sharing expertise and advice with community groups • Developing 'demonstration' projects to show what can be done and to inspire others to act • Training community groups, tenants and other local residents to provide energy advice • Implementing a behaviour change programme to encourage more efficient use of energy in homes, transport and businesses 	<ul style="list-style-type: none"> • The council works closely with the Energy Saving Trust as well as Bolton NHS to promote "Keep Warm, Keep Well" through educational materials, such as thermometers, leaflets.
Work with local communities and businesses to build resilience	<ul style="list-style-type: none"> • Working with partners to identify appropriate mitigation and adaptation actions for local area (e.g. water companies, statutory advisory bodies, health and wellbeing board) 	<ul style="list-style-type: none"> • The Cleaner and Greener Partnership and the Cleaner and Greener Forum provide a strong partnership approach to tackling environmental issues.
Service provider		
Build resilience into the Local Plan	<ul style="list-style-type: none"> • Assessing future vulnerability to climate impacts (establish the evidence base using LCLIPs, local flood-risk assessments, information from SEA, national CCRA etc) • Establishing policies that support green and blue infrastructure and sustainable drainage systems and promote green space and biodiversity 	<ul style="list-style-type: none"> • The council has adopted the Core Strategy, which includes policies on flood risk, biodiversity and green infrastructure.

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
	<ul style="list-style-type: none"> Ensuring that new developments avoid areas prone to flooding Monitoring the implementation of these policies e.g. on location of development in flood-risk areas, delivery of SuDs or water efficient development 	
Using the planning system to promote energy efficiency and a low carbon community	<ul style="list-style-type: none"> Using planning policy and building control to encourage or require developers to build homes with high energy standards (e.g. related to CSH) Encouraging developers to build homes with low embodied energy Establishing policies that encourage developers to build in locations that will encourage walking, cycling and public transport use Establishing policies that help support low carbon heating networks Adopting planning policies that actively encourage renewable and decentralised energy generation (e.g. on-site renewable energy requirements for new build) Using S106 or the CIL to promote low carbon communities Promoting the installation of the infrastructure required for low carbon vehicles Ensuring that building standards on energy efficiency and other climate change issues are properly enforced 	<ul style="list-style-type: none"> The council has adopted the Core Strategy, which includes policies on flood risk, green infrastructure, biodiversity, renewable energy and sustainable development. Further detail is included in the Sustainable Design and Construction Supplementary Planning Document (SPD). The council has adopted the Greater Manchester Local Transport Plan 3, one of whose objectives is to ensure that carbon emissions from transport are reduced in line with Government targets to minimise the impact of climate change. The council has adopted the Core Strategy, which concentrates development in locations that minimise the need to use private motorised transport, and gives priority to cyclists and pedestrians
Work with households to promote greater energy efficiency , reduce energy dependency and alleviate fuel poverty	<ul style="list-style-type: none"> Work with the Green Deal as a partner, provider or advocate (or other mechanisms) to introduce retro-fit schemes, and encourage take-up of renewable energy. Your local authority could consider taking the lead in delivering the Green Deal or working with other councils or partners to develop area wide retrofit schemes at the most appropriate scale Promoting awareness of FITs, the RHI and other mechanisms which householders can use to cut carbon 	<ul style="list-style-type: none"> GM Low Carbon Housing Retrofit Strategy. GM Energy advice line.
Reduce greenhouse gas emissions generated by buildings* used by	<ul style="list-style-type: none"> Ensuring new buildings achieve high standards of energy efficiency (for example BREEAM Excellent) and incorporate renewable energy sources wherever practical Refurbishing existing buildings to high efficiency standards, 	<ul style="list-style-type: none"> Bolton One (leisure, health and research centre) is a sustainable building which boasts a BREEAM Excellent certificate.

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
council services (directly or through contract specifications) *For example historic buildings, libraries, schools, museums, galleries, social care homes, health service buildings	incorporating renewable energy where appropriate <ul style="list-style-type: none"> • Ensuring that high energy efficiency standards are integrated into all procurement and purchasing decisions for e.g. computer and office equipment • Developing and implementing plans to enhance energy conservation and involving staff, pupils and other users of Council buildings in energy conservation action 	
Estate Manager		
Promote greater energy efficiency on council land and property	<ul style="list-style-type: none"> • Introducing or refreshing a Carbon Management Plan for existing council estate • If not done so already, appointing an energy manager and team to work across the local authority on the installation of energy measures, the most efficient use of buildings, and to establish proper monitoring systems • Setting targets to cut the amount of energy used on the council estate • Promoting more efficient use of energy by council staff, for example through an energy efficiency awareness programme 	<ul style="list-style-type: none"> • Carbon Management Plan 2008-2013. • Promote energy efficiency through the GLO scheme and the Big Switch Off campaign.

Transport

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
Community Leader		
Work with local organisations to promote	<ul style="list-style-type: none"> • Engaging with local employers to encourage them to adopt travel plans that promote walking, cycling and public transport with their staff 	<ul style="list-style-type: none"> • No specific travel planning. TfGM and British Cycling both have interest in these areas. Recent activity includes promoting GM Cycle Challenge and Walk to

Local Commitment	Local Action	What are we doing in Bolton?
"We will..."	"By..."	
sustainable transport	<ul style="list-style-type: none"> Implementing planning policies that encourage the location of major visitor attractions and facilities in sites that are accessible to public transport and encourage them to implement green travel plans Working with businesses to provide visitors with advice on travelling to facilities and attractions by means other than a car 	Work Week.
Service provider		
Work towards a low carbon transport system that supports our local economy, and delivers multiple benefits: such as reduced carbon emissions, improved air quality, reduced congestion, improved fitness and road safety.	<ul style="list-style-type: none"> Promoting sustainable travel via the Local Transport Plan and Local Plan process Implementing measures that minimise the need for travel (e.g. through the planning system, promoting the use of ICT, promoting car clubs and car pooling) Implementing measures that make travel by car less attractive (e.g. congestion charging, parking management) Promoting the use of lower carbon vehicles e.g. through policies and pricing that promote electric vehicles and support the development of suitable infrastructure Promoting local car clubs Promoting walking and cycling through investment in infrastructure (e.g. cycle paths) and engagement and education with motorists and the wider public 	<ul style="list-style-type: none"> The council has adopted the Greater Manchester Local Transport Plan 3 (LTP3), one of whose objectives is to ensure that carbon emissions from transport are reduced in line with Government targets to minimise the impact of climate change. The council has adopted the Core Strategy, which concentrates development in locations that minimise the need to use private motorised transport, and gives priority to cyclists and pedestrians In December 2010 a consortium of Greater Manchester authorities and businesses was awarded £3.6 million from the Government's 'Plugged in Places' programme to provide match funding for over 300 charging points for electric vehicles.
Deliver a more resilient transport network	<ul style="list-style-type: none"> Undertaking a review of the vulnerability of your transport network to different types of climate impacts Ensuring that transport-related planning policies are consistent with wider planning policies on future climate change risks incorporating resilient design features into new developments and transport systems incorporating low cost adaptation measures such as provision of shade of cycle routes; resurfacing of roads/ pavements with heat resistant materials Developing better contingency planning for the travel network 	<ul style="list-style-type: none"> One of the priorities of the LTP3 is 'improved resilience of the transport system to climate change and the impact of future oil production declining.'
Reduce transport emissions from the	<ul style="list-style-type: none"> Developing and implementing a travel plan for services, encouraging customer journeys by walking, cycling and public 	<ul style="list-style-type: none"> The council has adopted the Core Strategy, which concentrates development in locations that minimise

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
services we commission and deliver	<p>transport and reducing the need to travel by providing services in local neighbourhoods</p> <ul style="list-style-type: none"> Working with our service providers to identify ways in which they can reduce emissions from services commissioned by the council 	the need to use private motorised transport, and gives priority to cyclists and pedestrians
Establish planning policies that encourage developers to promote sustainable transport choices	<ul style="list-style-type: none"> Developing planning policies that encourage developers to build in locations that will encourage walking, cycling and public transport use Using S106 and the CIL to promote sustainable transport infrastructure such as cycle lanes and footpaths as part of development consents 	<ul style="list-style-type: none"> The council has adopted the Core Strategy, which concentrates development in locations that minimise the need to use private motorised transport, and gives priority to cyclists and pedestrians
Raise awareness and knowledge of ways the public can improve their travel choices	<ul style="list-style-type: none"> Involving public-facing services (e.g. schools, museums and libraries) in public awareness campaigns on transport, highlighting the cost and health benefits of walking and cycling. 	<ul style="list-style-type: none"> NHS Bolton promotes active lifestyles through the Get UP. Get Out. Get Active. Campaign.
Estate Manager		
Reduce emissions from our transport fleet	<ul style="list-style-type: none"> Purchasing or leasing fuel efficient vehicles Promoting fuel efficient driving techniques among staff 	<ul style="list-style-type: none"> 13 refuse vehicles are EURO V standard. The council has a programme of driver training (mandatory) and have done one off eco-training.
Develop a transport plan for your authority	<p>Developing a transport plan for the local authority that seeks to promote alternative fuels, cut travel and increase use of public transport, walking and cycling through greater use of:</p> <ul style="list-style-type: none"> Parking management at Council premises pool cars, audio & video-conferencing, car-share, electric bikes, home-working. 	<ul style="list-style-type: none"> Carshare GM website in place. Home working and flexi time system in policies in place to reduce overall travel and travel at peak periods. Employees can claim the HMRC rate when travelling on council business on a bike. The council will be implementing a cycle to work scheme in 2013.

Waste

Local Commitment “We will...”	Local Action “By...”	What are we doing in Bolton?
Service provider		
Increase levels of recycling and reuse	<ul style="list-style-type: none"> • Support reuse events and centres to enable goods and materials to be reused, repaired and exchanged • Identifying ways to further increase household recycling levels and developing appropriate measures 	<ul style="list-style-type: none"> • Support Bolton Community Transport and furniture Services reuse centres through promotion on the website. • Community conference and speed networking event- Wednesday 19th Sept. The conference aims to bring together a variety of organisations to help reduce the amount of re-usable furniture that is currently being disposed of as waste. • Residents in Bolton can sign up to a Defra campaign to help increase recycling across Bolton, Residents who sign up will be part of an email-messaging campaign and will receive emails either giving reminders / tips about recycling or just general service information. • Doorstepping campaign to 25,000 households in Bolton to improve recycling participation in low performing areas.
Identify ways to reduce and treat food waste	<ul style="list-style-type: none"> • Introducing separate collection for food waste • Identifying opportunities to compost food waste and developing appropriate actions • Identifying opportunities to covert food waste to biogas (through anaerobic digestion) and developing actions to capture these 	<ul style="list-style-type: none"> • All households on a green collection round have access to a green bin to recycle their food waste.
Identify opportunities to generate local sustainable energy from waste	<ul style="list-style-type: none"> • Working with waste treatment partners to scope the potential to develop waste-to-energy schemes, and developing appropriate actions 	<ul style="list-style-type: none"> • This is the responsibility of Greater Manchester Waste Disposal authority.
Ensure waste services are resilient to severe	<ul style="list-style-type: none"> • Ensuring waste disposal arrangements are in place for severe weather events • Raising public awareness about how to deal with waste in the 	<ul style="list-style-type: none"> • In the event of severe weather, collections points have been set up. • Information regarding severe weather is updated on

Local Commitment	Local Action	What are we doing in Bolton?
“We will...”	“By...”	
weather events and other climate impacts	case of severe weather events	the webpages and residents are notified in the recycling calendar about collections in severe weather and where to receive the information.
Community leader		
Increase resource efficiency in the area	<ul style="list-style-type: none"> Investigating the potential development of performance-related incentives for businesses to divert commercial and industrial waste from landfills to alternative waste management processes such as reuse and recycling 	<ul style="list-style-type: none"> In April recycling for pulpables (paper and card) and co-mingled (glass, cans and plastic bottles) were introduced as part of the commercial waste collection service.
Take action on waste prevention	<ul style="list-style-type: none"> Raise community awareness and education on waste minimisation through a coordinated publicity campaign (e.g. with schools, libraries, etc) Working with the Waste & Resources Action Plan (WRAP) and support the Recycle Now and Love Food Hate Waste campaigns 	<ul style="list-style-type: none"> We have monthly recycling themes and roadshows. Real Nappies Campaign Waste your waste week – Fashion Show Food demonstrations on cooking with left over foods. Regular attendance at schools and community events. Promote Home composting for national home composting week. Love Food Hate Waste campaign running in Sept and Oct 2012. Lots of resources available on the Recycle for Greater Manchester website.
Estate manager		
Improve waste minimisation on the council's own estate and services	<ul style="list-style-type: none"> Developing an action plan to reduce waste arisings and increase reuse & recycling within the council's buildings and operations Working with existing and new contractors to reduce waste arisings and increase reuse & recycling from council procured goods and services through specifications and contract management 	<ul style="list-style-type: none"> No action plan. Paper recycling has been in place for a number of years. Recycling in council buildings was extended in 2008 to include, plastic bottles, glass bottles and jars, food and drinks cans, and foil.

Health and communities

Local Commitment	Local Action	
“We will...”	“By...”	
Community leader		

Local Commitment	Local Action	
“We will...”	“By...”	
Promote measures to reduce greenhouse gas emissions through our health promotion work	<ul style="list-style-type: none"> • Offering or referring households to energy conservation and fuel poverty advice • Promoting active lifestyles that also have low energy use, such as walking, cycling and other outdoor activities • Encouraging long-term lifestyle changes which reduce car dependence 	<ul style="list-style-type: none"> • A case referral scheme is in place. Lots of work with the NHS to promote the affordable warmth schemes and to get referrals. • Work closely with the Energy Saving Trust as well as Bolton NHS to promote “Keep Warm, Keep Well” through educational materials, such as thermometers, leaflets. • NHS Bolton promotes active lifestyles through the Get UP. Get Out. Get Active. Campaign. • The council has teamed up with British Cycling and Sky to bring free, led rides to the town centre and across the borough.
Develop our understanding of the local public health impacts of changing climate	<ul style="list-style-type: none"> • Assessing future public health vulnerability to climate impacts (establish the evidence base using LCLIPs, local flood-risk assessments, information from SEA, national CCRA etc) • Identifying and map the locations of vulnerable populations in relation to flood risk and ensure flood risk plans are in place • Integrating climate risks into local Joint Strategic Needs Assessment • Working with emergency planning and community resilience fora on planning for extreme weather events • Identifying and monitoring local health impacts of climate change/ extreme weather events and developing actions accordingly 	<ul style="list-style-type: none"> • Adaption work. PCT represented on the CC adaptation Steering group. • Provide winter packs to vulnerable people to help them keep well in cold weather. (The packs include electric blankets, shoe grips etc.)
Ensure access to green and open space is maintained and enhanced	<ul style="list-style-type: none"> • Retaining and improving existing open spaces, sport and recreation facilities and providing a network of diverse, multi-functional open spaces that is accessible to all 	<ul style="list-style-type: none"> • The council and its partners have invested millions into parks, improving open spaces and refurbishing play areas. • Investment of £7.3m into Queens Park.
Promote community action on acting on climate change in our area	<ul style="list-style-type: none"> • Providing grants or loans for community carbon reduction projects • Signposting community groups to external sources of support and funding • Developing ‘demonstration’ projects to show what can be done and to inspire others to act 	<ul style="list-style-type: none"> • GM Energy Advice line provides advice and signposts to external funding and support. • The Bolton Community Homes Partnership works together to share best practice in developing retrofit show homes at sites such as St Vincent’s in Farnworth, and in Bolton at Home’s accommodation.

Local Commitment	Local Action	
“We will...”	“By...”	
	<ul style="list-style-type: none"> • Training community groups, tenants and other local residents to provide advice on climate change-related issues • Implementing a behaviour change programme to encourage more efficient use of energy in homes, transport and businesses • Encouraging, supporting and working with community groups to unlock opportunities to develop community-scale climate change projects, such as on renewable energy and community food growing 	
Promote community awareness, knowledge and education on climate change	<ul style="list-style-type: none"> • Undertaking climate change awareness and engagement campaigns for local communities and neighbourhoods • Creating ‘low-carbon and climate change neighbourhood hubs’ in community buildings, such as libraries, schools and community centres, to promote climate-friendly lifestyles and demonstrate low carbon and resilience technologies in action • Developing climate change literacy training in schools, colleges and universities; and make these available for community groups, neighbourhoods and households 	<ul style="list-style-type: none"> • Bolton Environmental Action Team is working with young people in the borough to reduce their carbon footprint and undertake energy and waste audits of their classrooms. • Embedding carbon literacy into lifestyles is one of the key headline objectives of the GM Climate Change Plan.
Improve the resilience of our communities to future climate impacts	<ul style="list-style-type: none"> • Identifying communities at greatest risk from climate change (particularly flooding) and developing appropriate actions • Identifying and mapping existing local groups and interest area e.g. resilience fora, neighbourhood planning bodies, local environmental action groups • Identifying stakeholders with greatest contact with communities and develop their capacity to provide the right information on community resilience to severe weather • Supporting and empowering communities to build resilience to the impacts of future climate impacts and severe weather through community-led resilience plans • Monitoring involvement of community level groups in resilience 	<ul style="list-style-type: none"> • Signposting available on the council’s website.
Service provider		
Ensure health and social care services are	<ul style="list-style-type: none"> • Identify the impacts of climate change of health and social care services and develop actions accordingly • Identifying and training key frontline service providers in 	<ul style="list-style-type: none"> • Health and social care impacts identified through climate change adaption work. • Provide winter packs to vulnerable people to help

Local Commitment	Local Action	
“We will...”	“By...”	
resilient to climate impacts	<p>providing advice for coping in severe weather and a changing climate</p> <ul style="list-style-type: none"> • Building into contracting arrangements with external social care providers the requirement to have business continuity plans 	them keep well in cold weather.