

Allerdale Borough Council

Climate Change Strategy and Action Plan 2008 to 2011



Updated – April 2009

Climate Change Strategy and Action Plan for Allerdale Borough Council

Introduction

A key emerging priority for sustainable development is tackling climate change. The Borough Council acknowledges that evidence shows that climate change is occurring and will continue to have far reaching effects on the UK's people, places, economy, society and environment.

The Borough Council have a vision for a lower carbon future and are seeking to help address climate change within all the Council's key services. The Council can make a positive impact through the quality of housing and the environment, energy savings, planning decisions, choice of transport use and reducing carbon emissions. As a large partner in the area we can influence strategic decision making.

This strategy and action plan is intended as a living document which will be regularly reviewed and updated. Actions on climate change may be short, medium or long term. The Council intends to set specific targets for carbon emission reductions, but further work is needed to carry out detailed options appraisal. More specific targets will be set in future revisions of this document.

The UK Government has made commitments well beyond the Kyoto targets for reducing greenhouse gas emissions. The UK commitment is a reduction of CO₂ of 20 to 32% by 2020 and 60% by 2050. The Council needs to play its part in contributing to the national targets. Some scientists suggest that current Government targets are not sufficient and that an 80% reduction would be necessary to avoid a 2 degree temperature rise. In June 2007 the Borough Council agreed to sign the Nottingham Declaration on climate change. The actual signing of the declaration took place in October 2007 after agreement on the first draft of this action plan. Many of the initial actions in this plan are focused on the Council's internal activities. The plan will need to be revisited once the Cumbria Strategic Partnership Action Plan has been agreed.

What is Climate Change?

Global warming is the publicly recognised term for the current concern over changes to the earth's climate. Climate change is a global issue which also has local impacts. The average global temperature is rising.

The 20th century was probably the warmest century in the last 1,000 years with 0.6°C warming. The 1990s was the warmest decade in Central England since records began in the 1660s. There has been wide debate about the causes of global warming. It is clear that global temperatures are rising, but the debate has been about whether it is human activity that is responsible for the changes. The scientific consensus is that human activities are affecting climate change.

The main influence on global climate is thought to be the emissions of greenhouse gases such as carbon dioxide (CO₂) and methane. At present, about 6.5 billion tonnes of CO₂ is emitted globally each year, mainly through burning coal, oil and gas for energy. Increasing concentrations of greenhouse gases in the atmosphere over the last 200 years have trapped more energy in the lower atmosphere, altering our climate.

As well as the predicted temperature rise, we will also experience changing rainfall, more stormy weather and more extreme weather events. The melting of polar ice caps will lead to an increase in sea levels and extensive flooding of low lying areas of land. It has also been predicted that in future centuries the Gulf Stream may slow down and result in dramatic cooling of North West Europe.

Predicted global impacts include flooding, drought, increased disease, famine and conflict or war because of water or food.

Mitigation – this refers to actions that reduce our contribution to the causes of climate change. This means reducing our emissions of greenhouse gases, such as carbon dioxide (CO₂), through energy efficiency and using alternative forms of transport and energy.

Mitigation is important in the long term as it is only by reducing our greenhouse gas emissions that we can hope to minimise human-induced climate change. Many of the measures to help reduce emissions may also have other benefits such as saving money and encouraging a more sustainable society.

Adaptation - addresses the impacts and opportunities resulting from a changing climate. Irrespective of the success of mitigation efforts, there will still be some degree of unavoidable climate change. This stems from our historic greenhouse gas emissions and the persistence of these gases in the atmosphere.

Local Impacts of Climate Change

In the UK it is predicted that the average annual temperature will rise between 2 and 4.5 degrees centigrade by the 2080s together with a decrease in the annual average rainfall of up to 10%. The UK may also experience greater seasonal variation in weather with hotter, dryer summer months, wetter winters and a change in the pattern of extreme weather events. In Cumbria it is estimated that the average daily temperature will rise between 1 and 2 degrees by 2050 and that summer rainfall will reduce by 15% but that winter rainfall will increase by between 15% and 30%.

Some of the local impacts will be flooding, coastal erosion, health and building.

Water – flooding may increase due to heavy rainfall with a consequential economic loss but there may be water shortages in summer, crop failure and loss of water quality. In the North West sea levels are predicted to rise by up to 67cm.

Natural Environment – wildlife and nature species may be threatened, growing seasons for agriculture may change and migratory patterns for birds may be affected. Some lakes may be more affected by algal blooms.

Health – there may be an increase in heat related deaths, skin cancer, cataracts and food poisoning. There may be expansion of tick and midge borne diseases such as Lyme disease and Blue Tongue

Buildings – there will be a need for buildings to withstand more frequent extreme weather events such as gale force winds, excessive rain and extreme heat. Buildings may need to be redesigned to reduce energy use in winter and allow cooling in summer.

Business and Tourism – unpredictable weather may affect the attractiveness of Cumbria as an outdoor holiday destination. Visitors may demand more indoor activities. Insurance costs for businesses may increase because of more frequent weather-related damage. Business opportunities may develop for environmentally friendly products. Fuel and food prices will increase beyond inflation impacting on the rural and poor communities. Agricultural practices could change to take account of the climate. Crop yields could be unpredictable, affecting food prices.

It is not possible to accurately predict many of the impacts. What is clear is that the local, national and worldwide impacts of climate change may be far reaching and the time to act is now. Failure to act will affect almost everyone.

How are we addressing Climate Change Strategically?

The Cumbria Community Strategy includes climate change as one of its key issues. The strategy for sustainable communities in West Cumbria, Future Generation includes tackling climate change through lifestyle choice as one of the strategic priorities for West Cumbria.

Work on sustainable technology may lead to diversification, supporting the West Cumbria Master plan 'Britain's Energy Coast'.

The Council's Corporate Improvement Plan 2008-2011 includes maximising the Council's contribution to limiting climate change in one of its outcomes on the environment theme. A key project in the plan is implementing the Council's climate change action plan.

This strategy and action plan is a 3 year plan to align with the local area agreement and the Council's corporate improvement plan.

The target in the Local Area Agreement is to reduce carbon emissions in Cumbria by 210,000 tonnes per year. This represents 0.42 tonnes for every Cumbrian per year. In understandable terms it means that 30% of Cumbrian households would need to reduce their emissions by 15%, 20% of drivers would need to cut their travel emissions by 10% and that business and public sector would need to cut their carbon emissions by 15%. These are very challenging targets that Allerdale needs to play a major part in delivering.

The Council's Strategy on Climate Change

We will:

- play our part in helping to deliver local and local targets on climate change, particularly those prioritised by the local strategic partnership.
- achieve significant reductions of greenhouse gas emissions from the Council's operations through energy conservation, greater use of renewable energy and sustainable transport, reducing the consumption of resources and minimising the environmental impact of procurement of goods and services.
- Ensure that the Council's policies and actions are consistent with sustainable development
- develop plans with our partners and local community to progressively address the causes and impacts of climate change
- assess the risks associated with climate change for the Council's services and our community and progressively adapt our services according to priorities

- empower and encourage sustainable communities by committing support and where possible, resources to community-led initiatives
- encourage the local community to adapt to the impacts of climate change
- work with partners in tackling climate change, encouraging our partners to commit to positive action
- develop and regularly review an action plan to deliver this strategy, making public our progress

Objectives of the climate change action plan

- To adapt to and mitigate the effects of climate change for the benefit of all who live, work and visit Allerdale
- To raise awareness about climate change and encourage action by staff, members, partners and the community
- To promote sustainable development in the Council's decisions, policies and actions in conjunction with partners
- To maximise our impact by working with partners and linking with the Local Strategic Partnership
- To encourage sustainable communities in Allerdale and also lead our partners to work towards this objective.

National Indicators on Climate Change

The Government has indicated the key role it expects local authorities to play in climate change by introducing new national indicators in 2008. The baseline year for these indicators is 2008/09 and targets will need to be set by the Council. The indicators are outlined below:

NI 185 CO2 reduction from Local Authority operations

NI186 Per Capita CO2 emissions in Local Authority area (This has been prioritised for action in the Local Area Agreement)

NI 188 Adapting to Climate Change

NI 194 Level of air quality – reduction in NOx and primary PM10 emissions through local authority's estate and operations

What is the Council already doing to tackle climate change?

The signing of the Nottingham Declaration is a public statement of the Council's intent to tackle climate change and achieve a significant reduction of greenhouse gas emissions from the Council's operations, especially energy sourcing, and use, travel and transport, waste production and disposal and the purchasing of goods and services.

The Nottingham Declaration includes a commitment to develop plans within 2 years to progressively address the causes and impacts of climate change; assess the risk associated with climate change and the implications for services and our communities of climate change and act accordingly; to encourage our local community to adapt to the impacts of climate change and to monitor the progress of our plans and publish the result.

Energy: The Council currently sources 54% of its energy from 'green' sources. Allerdale House was designed to be energy efficient though further improvements can be made. Car parking machines are powered by solar power. Audits for energy performance certificates are ongoing in relevant Council buildings. From October 2008 it is a legal requirement to display energy certificates in large public sector buildings. The Council's leisure centres have undergone an audit by the Carbon Trust to identify energy efficiency savings. The leisure centres have reduced energy consumption by 25% in recent years and have achieved the Gold award for environmental improvements. Council staff are being encouraged to switch off computer equipment when not in use. A Council Energy Day for staff and members was held in October 2006. The Wave in Maryport has a wind turbine to generate electricity and also an energy management system.

Transport: the staff travel policy requires staff to make efficient journeys and consider public transport. Close working with partners has led to an extensive cycle network in West Cumbria. Subsidised travel for children in school holidays encourages the use of buses. Dual fuel vehicles have been recently purchased for some Council Services. The Council are currently working on a scheme to encourage staff to cycle to work.

Waste: the Council are delivering a major recycling programme which is currently achieving a recycling rate of 37% with a particular focus on the diversion of bio-degradable municipal waste that was previously sent to landfill, and contributed to greenhouse gasses from the landfill site. 15,000 properties in the Borough are on the purple bag scheme with a kerbside collection to recycle plastic bottles, cans and glass. Ongoing work with the Cumbria Strategic Waste Partnership assists in waste reduction and recycling.

The recycling facilities for staff in Council offices have been extended in main offices to include cans and bottles in addition to paper. Use of 100% recycled paper for photocopies and desktop printing is in place except for coloured paper. The design and print tender specifications will include the need for use of recycled paper. Committee reports have been reduced in size with electronic links to large documents and the Council's policy framework is being changed to increase delegated powers to Executive. Democratic services have reviewed the use and distribution of paper agendas. The Council's magazine Allerdale Outlook will be printed on recycled paper from winter 2008. Staff have been issued with reusable plastic glasses and the use of disposable plastic glasses is being phased out. Old computer equipment is reused or recycled. Spent printer cartridges are given to a local charity.

Water: water saving devices for WCs are in use where possible in Council offices. Water coolers supplied from the mains are present in most Council offices which reduce the need for staff to use bottled water.

Procurement: the Council's Procurement Strategy makes reference to environment and sustainability in a purchasing context and makes a commitment to developing an action plan for sustainable procurement. Ongoing work with the other Cumbrian local authorities through EPIc (Effective Procurement in Cumbria) should help establish a consistent approach in helping to address climate change across Cumbria through sustainable procurement. The North West Improvement and Efficiency Partnership's regional strategy includes actions on sustainable procurement.

Planning: ongoing work on the Local Development Framework incorporates the need for sustainable development in line with national and regional guidance. PPS 1: Delivering Sustainable Development requires Local Planning Authorities to ensure that their development plans contribute to global sustainability by addressing the causes and potential impacts of climate change. In December 2007 the government published a Supplement to PPS1, "Planning and Climate Change" which emphasises that the planning system must support the delivery of the timetable for reducing carbon emissions from domestic and non domestic buildings. Building Regulations are to be progressively tightened to require major reductions in carbon emissions from new homes to get to zero carbon by 2016. The council is committed to preparing Local Development Documents, including the Local Development Framework, to fully comply with this guidance. In addition, the council is committed to preparing a Supplementary Planning Document (SPD) on "Micro-Renewables" which will encourage property owners and developers to install decentralised and low carbon energy supplies. It is hoped to formally submit the core strategy of the Local Development Framework for Allerdale in 2009. Existing policy in the Saved Allerdale Local Plan follows sustainable principles in the design and location of development. This makes a substantial contribution to reducing the need to travel and reducing energy needs

The Cumbria Wind energy supplementary planning document on wind energy has been adopted and it won a commendation in the Royal Town Planning Institute's North West 'Achievements in Planning Awards' for 2008. Building Control are ensuring that new developments have appropriate thermal insulation as required by the current Building Regulations and are helping construction companies build environmentally-friendly homes.

Natural Environment: the Council's AONB team manage the Solway Coast Area of Outstanding Natural Beauty (AONB). The Parks and Open Spaces Officer manages the Council's two nature reserves at Harrington and Siddick Pond with help from friends groups. The management plans for these areas are being reviewed to increase biodiversity, create carbon sinks and help slow run-off of water. A shoreline management plan for the North West of England and North Wales is being developed and is hoped that this will be completed by mid 2009. This will set out the long-term direction for managing risk to our coastline.

Community Involvement: work to reduce fuel poverty is ongoing in conjunction with the Energy Saving Trust Advice Centre. In response to the Home Energy Conservation Act the Council has set a challenging target of 35% improvement over 15 years. Inspections on homes under the Housing Health and Safety Rating System to assess decent homes includes energy efficiency. A scheme in partnership with Scottish Power and the South Workington Neighbourhood Managers to install energy efficient measures in homes in South Workington has been launched and further schemes are planned. The AONB team have an extensive programme for volunteers and education. The team also award grants to organisations, businesses, communities, groups and individuals from their sustainable development fund and grant fund around 25 such programmes per year.

The Cumbria Strategic Partnership (CSP)

The Cumbria Strategic Partnership has produced a climate change strategy and action plan which was considered by Allerdale Borough Council in March 2009. Relevant actions from the CSP action plan have been incorporated in the Borough Council's climate change action plan with the original Allerdale Borough Council action plan now becoming supporting actions for this action plan. The overall Allerdale Borough Council action plan is therefore an amalgamation of the two plans and it will need to be subject to ongoing reviews.

Baseline Data

Work gathering baseline data is at an early stage and methodology will be improved to provide more accurate and specific information.

The baseline data below has been gathered for Council activities for 2006/07:

Energy	- Council leisure centres	
	Electricity	483.35 tonnes CO2
	Gas	776.94 tonnes CO2
	- Other Council Buildings/installations/apparatus	
	Electricity	830.23 tonnes CO2
	Gas	265.44 tonnes CO2
Transport	- Travel by essential/Casual car users	81.4 tonnes CO2
	- Travel using Council owned vehicles	137.64 tonnes CO2
	- Travel of major partners	- FOCSA 1,655 tonnes CO2
		- ISS 116.1 tonnes CO2
TOTAL CO2		4,346.1 tonnes CO2
Waste	Council buildings	- 58 tonnes collected
	20 tonnes paper/card recycled	
Water	Council leisure centres	21,874 cubic metres

Climate Change Action Plan for Allerdale Borough Council

CSP Priority Outcome: Maximise Cumbria's contribution to limiting climate change							4.12.08
NI 186 per capita reduction in CO ₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO ₂) NI 185 CO ₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad) NI 188 Planning to adapt to climate change							
Waste Objectives	Supporting Actions	Implementation and resources required	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
WSTO 1. To minimise waste associated with all CSP organisations and their activities.	Develop waste minimisation policies for their organisations and install practical recycling facilities for staff. Ensure all procurement contracts minimise waste and packaging and contain supplier take back arrangements.	All CSP member organisations Initial investment in recycling receptacles necessary plus costs of contract with recycling contractor. Scope to offset any additional costs from savings arising from reduction in commercial waste costs. All CSP member organisations	Environmental Services Manager Corporate Procurement Officer	Organisational policies for waste minimisation and recycling in place by 1.9.09 Baseline agreed, targets set, and recycling facilities /contracts in place by 31.3.10 Procurement policies reviewed by 1.9.09 and implemented by 31.3.10	30% reduction in waste to landfill from 2009/10 baseline by 31.3.11	50% reduction by 2013. Zero waste by 2015	Cumbria Strategic Waste Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.
WSTO 2. To increase commercial waste recycling rates	Deliver a series of initiatives and events that facilitate the recycling of commercial waste and initiates waste minimization programmes in all SMEs,	Resource Cumbria Partnership and Cumbria Tourism organisations to lead Approximate annual cost of events £5,000 -	Environmental Services Manager	SMEs in each district to benefit from improved recycling services by 31.3.10.	Commercial waste to landfill from SMEs to be reduced by 10% by 31.3.11	Regional Government target to recycle 35% of commercial and	Cumbria Strategic Waste Thematic Partnership to monitor and report progress made by individual member

	including a pilot project for tourism businesses.	£10,000 per annum Cost for infrastructure and collection service to be determined and met by SMEs		Commercial waste to landfill from SMEs to be reduced by 5% by 31.3.10		industrial waste by 2020.	organisations to CSP Executive Board.
WSTO 3. To further develop and support a vibrant, entrepreneurial, community waste sector	Request that the Resource Cumbria Partnership supports the expansion of community based social enterprises by continuing the Community Waste Prevention Fund and by developing new initiatives.	Resource Cumbria Partnership to lead Annual budget of £60,000-£90,000 pa	Environmental Services Manager	Weight and/or volume being diverted from landfill by not-for-profit sector in Cumbria to increase by 5% by 31.3.10	Weight and/or volume being diverted from landfill by not-for-profit sector to increase by 10% by 31.3.11		Cumbria Strategic Waste Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.

Allerdale Borough Council supporting actions for Waste					
Outcomes	Actions	Resources	Lead Officer	Target Date	Progress
Improve recycling facilities in Allerdale Offices	Increase in materials recycled	Increased staff time. Cost of recycling containers	Environmental Services Manager	March 2008	Facilities provided in main Council offices
Reduction in waste collected. Increase in materials recycled	Extend provision of doorstep recycling facilities in accordance with annual programme	Capital cost of doorstep facilities. Increased contract cost	Environmental Services Manager	March 2009 and ongoing	15,000 households have doorstep purple bag scheme
Minimisation of residual waste and work with CCC to develop action plan including new recycling sites	Provision of recycling facilities	Staff resources. Contract costs	Environmental Services Manager	Ongoing	
Minimisation of residual waste	Raise awareness of staff and public on waste minimisation and recycling	Staff resources	Environmental Services Manager	Ongoing	Ongoing campaigns involving media

Outcomes	Actions	Resources	Lead Officer	Target Date	Progress
Reduction in waste collected. Increase in materials recycled	Review beach cleaning activities to include recycling	Staff resources. Contract costs	Environmental Services Manager	March 2009	
Minimisation of residual waste	Work with Cumbria County Council on provision of new waste recycling centres	Staff resources	Environmental Services Manager	Ongoing	
Identification of possible energy efficiencies and waste reduction	Review departmental and central printing strategy	Staff resources	IT Services Manager	March 2009	
Reduction in energy use less waste paper	Implementation of findings of review of departmental and central printing strategy	Staff resources. Equipment costs to be part of budget bid	IT Services Manager	March 2010	
Reduction in paper waste	Review potential for further reducing volume of paper for Committee work	Staff time	Head of Democratic Services	March 2009	
Reduction in waste	Investigate re-use schemes when disposing of furniture/equipment and produce action plan	Staff time	Asset Management Manager. IT Services Manager	March 2009	

CSP Priority Outcome: Maximise Cumbria's contribution to limiting climate change

12.12.08

NI 186 per capita reduction in CO₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO₂)

NI 185 CO₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad)

NI 194 % reduction in NO_x and primary PM₁₀ emissions through local authority's estate and operations

Energy Objectives	Supporting Actions	Implementation and resources	Lead Officer	Targets and Origin of Target			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
EO 1. To reduce carbon dioxide emissions by reducing the demand for energy, improving energy efficiency and transferring to a 'green energy' supplier.	<p>Set up invest to save internal energy efficiency fund based on 10% of organisational energy costs.</p> <p>Initiate energy efficiency programmes within estates and premises to reduce energy demand focussing on no cost/low cost options initially to generate additional investment funds from savings.</p> <p>Establish carbon emissions baseline for 2007.</p> <p>Join Carbon Trust's carbon management programme</p> <p>Procure 100% green tariff electricity supplies.</p>	<p>All CSP member organisations</p> <p>May require additional funding to be found through budgeting process to jump start process: payback expected with 3-5 years with ongoing annual savings.</p> <p>SALIX funding can be accessed by larger public sector energy users if match funding is available.</p> <p>All CSP members</p> <p>Local Authorities, NHS Cumbria/PCTs and University of Cumbria. Additional staff resource to be seconded.</p> <p>Costs variable from zero up to 4.5%.</p>	<p>Asset Management Manager/ Leisure Partnership Officer</p>	<p>Energy profile and carbon emissions baseline established by 1.12.09</p> <p>5% carbon and financial savings from 2007 baseline by 31.3.10</p> <p>31.12.09</p> <p>31.3.10</p> <p>Supplier contracts signed by 31.3.10</p>	<p>Energy demand and CO₂ emissions to be reduced by minimum of 10% on 2007 baseline by 31.3.11</p> <p>Ongoing</p>	<p>All CSP members to have fully achieved a minimum reduction in energy use and emissions by 25% by 2014</p>	<p>CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>

<p>EO 2. To substitute utility company energy supplies with on site generation.</p>	<p>Assess the suitability of estate and premises for the installation of small scale renewable energy, including biomass.</p> <p>Install micro-generation capacity within estate.</p>	<p>All CSP member organisations</p> <p>Resourced by matching funding from energy budgets with the Low Carbon Buildings Programme grants, Bio Energy Capital Fund and/or SALIX funding or Carbon Trust Loans</p>	<p>Asset Management Manager with support from Leisure Partnership Officer</p>	<p>Assessment of capacity, cost and payback for renewable energy systems completed by 31.3.10 along with planned implementation programme.</p>	<p>Installation of renewable energy systems begins 1.4.10.</p> <p>Minimum 2.5% of energy demand met by onsite renewables by 31.3.11</p>	<p>Minimum 5% of energy demand met by onsite renewables by 2015</p>	<p>CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>
<p>EO 3. To achieve a balanced mix of installed energy generating capacity in Cumbria.</p>	<p>Ensure that high level strategies in Cumbria reflect the need to diversify the current dependence on fossil fuel derived energy generation to include a significant mix of secure, low carbon alternatives.</p>	<p>Local Planning Authorities & LDNPA, Cumbria Vision, West Coast Renaissance</p>	<p>Regeneration Strategy Manager</p>	<p>Policies to be reviewed and revised for compliance with this approach by 31.3.10</p>	<p>Ongoing</p>		<p>Economic Development and Enterprise Thematic Partnership to report progress to CSP Executive Board.</p>

<p>EO 5. To develop and grow the energy and environmental technology sectors in Cumbria</p>	<p>Request further and higher education providers to develop relevant skills training courses to support the energy and environmental technology sectors in Cumbria, including research and applied engineering.</p> <p>Ensure procurement processes stimulate and support a local energy and environmental technology supply chain including indigenous energy manufacturing capacity.</p>	<p>Cumbria Vision to lead with support from West Coast Renaissance, local authorities and University of Cumbria,</p> <p>Explore funding from European Social Fund, NWDA & Homes & Communities Agency.</p> <p>All CSP members</p> <p>From within energy efficiency funds drawing on external funding as appropriate.</p>	<p>Head of Regeneration</p>	<p>Plan for delivery of skills training initiated by 1/9/09</p> <p>Courses in E & ETS topics developed by 31.3.10</p> <p>Procurement policy in place by 31.3.10</p>	<p>Intake of students to E & ETS courses by 1.9.10</p> <p>Ongoing</p>	<p>Minimum 5% of energy demand met by onsite renewables by 2015</p>	<p>Economic Development and Enterprise Thematic Partnership to report progress to CSP Executive Board.</p>
<p>EO 7. To stimulate community based renewable energy projects across Cumbria.</p>	<p>Assess and make the case for implementing a 1% levy through Section 106 agreements on large developments to provide funds for renewable energy installations in public and community buildings</p>	<p>All planning authorities & LDNPA.</p>	<p>Regeneration Strategy Manager</p>	<p>Assessment completed by 1.9.09 and agreed by all Planning Authorities by 31.3.10</p>	<p>Timescales for introduction of levy to be determined as part of Local development schemes produced by individual planning authorities.</p>		<p>CSP Planning, Transport and Housing Thematic Partnership to report progress to CSP Executive Board.</p>

Allerdale Borough Council supporting actions for Energy					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Reduction in energy use	Carry out review of energy use in Council buildings to identify potential for energy efficiencies and produce prioritised action plan	Staff time required	Asset Management Manager	March 2009	
Reduction in energy use	Implement prioritised action plan for energy efficiencies in Council buildings	Staff time. Costs dependant on action identified	Asset Management Manager	Ongoing	
Reduction in greenhouse gas emissions	Review energy suppliers for Council building and seek to move towards 100% supply from 'green' sources or suppliers	Staff time. Possible increase in costs	Asset Management Manager	Review by December 2008. Change in suppliers ongoing	
Reduction in energy use	Work with Carlisle Leisure Ltd to identify energy savings in Council leisure centres and produce action plan	Staff time. Possible increase in contract costs	Leisure Partnership Officer	March 2009	Audit by Carbon Trust has taken place
Reduction in energy use	Investigate the potential for installing renewable energy generation in new and existing Council buildings and produce action plan	Staff time	Asset Management Manager, Leisure Partnership Officer	March 2009	
Reduction in fuel poverty. Reduction in energy use	Work with Energy Saving Trust Advice Centre to promote energy efficiencies in households and	Staff time. Grant funding	Housing Services Manager	Ongoing	

	assist action for NI 187.				
Reduction in fuel poverty. Reduction in energy use	Running energy efficiency schemes including targeting deprivation and fuel poverty, including working with Housing Associations, environmental groups and other agencies	Staff time	Housing Services Manager	December 2010	

CSP Priority Outcome: Maximise Cumbria's contribution to limiting climate change							15.12.08
NI 186 per capita reduction in CO ₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO ₂) NI 185 CO ₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad) NI 188 Planning to adapt to climate change NI 194 % reduction in NOx and primary PM ₁₀ emissions through local authority's estate and operations							
Leadership, Communication & Engagement Objectives	Supporting Actions	Implementation and Resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
LCEO 1. To demonstrate clear leadership in taking action on climate change	<p>Commit to action on climate change mitigation and adaptation by signing the Cumbria Climate Change Commitment.</p> <p>Allocate responsibility for developing and reporting progress on action on climate change to a member of the corporate management team.</p> <p>Publicise commitment and begin work on drawing up individual corporate organisational policy response and action plan, including targets on carbon reduction, energy efficiency and on assessing risks and developing adaptation strategies.</p> <p>Initiate a process of corporate social responsibility reporting that monitors and reports on how the organisation tackles social and environmental issues, including climate change.</p>	<p>Leaders, Chairs and Chief Executives of CSP organisations.</p> <p>Within existing resources.</p>	Director of Partnership and Community	<p>All CSP organisations to sign the Cumbria Climate Change Commitment on 23.3.09.</p> <p>Ongoing</p> <p>Initiate PR activity and ongoing press initiatives throughout the year.</p> <p>All CSP organisations to include Corporate social responsibility report as part of their organisation's annual report by 31.3.10</p>	<p>Ongoing</p> <p>Ongoing with at least one major initiative each year.</p> <p>Ongoing reporting of climate change in annual reports.</p>		<p>CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>

	Ensure that climate change and the organisational policy response are included in both induction and ongoing staff training programmes.		Head of Human Resources	By 31.3.10			
LCEO 2. To raise awareness of risks presented to society by climate change and stimulate a shift towards low carbon lifestyles.	<p>Develop and initiate a programme of public engagement that focuses on and directs citizens to readily available and affordable solutions to carbon reduction.</p> <p>Explore options presented by locality working to provide public access to support on climate change mitigation at shared council offices.</p> <p>Anchor Cumbrian campaign into the national and regional 'Act on CO2' campaigns.</p>	<p>All local authorities to lead along with LDNPA and ESTAC.</p> <p>LSP's to provide additional support through the community strategy process.</p> <p>NWDA funding of £50,000</p> <p>Additional, match funding to be sourced from CSP organisations.</p>	<p>Climate Change Working Group</p> <p>Head of Customer Services</p>	<p>Ongoing</p> <p>ESTAC targets on carbon reduction in homes and transport use to be developed.</p> <p>NWDA funding of £50,000</p> <p>Additional, match funding to be sourced from CSP organisations.</p> <p>Agree a consistent communications programme / approach by 1.9.09</p> <p>Begin delivery of public engagement campaign by 31.3.10</p>	Review communication initiatives and public response by 1.6.10 and revise programme accordingly.		CSP Environment & Heritage Thematic Partnership to monitor and report progress to CSP Executive Board.

LCEO 3. To ensure that Cumbria effectively harnesses regional support and accesses regional funding for climate change activity in Cumbria	Encourage participation in regional training events on climate change, particularly the training delivered through 4NW's Climate Change Local Authority Support Programme' (CLASP)	All CSP organisations, NWDA, 4NW Financed by NWDA and 4NW	Head of Human Resources	Ensure that by 1.4.09 that all CSP organisations aware of the CLASP training programme schedule from 4NW for 2009-11	Ongoing.		CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.
LCEO 5. To enable all those enjoying recreation and culture in Cumbria to play their part in tackling climate change	Produce and promote a guide to organising recreational and cultural events in Cumbria that enables organisers to minimise the carbon footprint of those involved.	Cumbria Tourism to lead with support from all CSP organisations, NWDA, Cumbria Vision £5,000 identified for assessment, publicity and engagement with stakeholders	Support from Leisure Partnerships Officer/Head of Environment	Guide developed and agreed by 1.9.09 Engagement and publicity with stakeholders completed by 31.3.10	Ongoing	2012+ All major events in Cumbria to be low carbon/zero carbon, with local carbon offset schemes introduced in support.	CSP Environment & Heritage Thematic Partnership to monitor and report to CSP Executive Board.

Allerdale Borough Council supporting actions for Leadership, Communication and Engagement Objectives					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Increased community awareness of climate change	Obtain publicity on the Council's signing of the Nottingham Declaration	Staff time	Communication and Marketing Officer	March 2008	Signed in October 2008. Press release issued.
Increased action by community on tackling climate change	Devise a programme to raise awareness of the community on climate change in conjunction with partners	Staff time	Climate Change Group	Devise programme by March 2009 Implementation ongoing	

Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Increased awareness of climate change	Support the work of the Cumbria Strategic Partnership in running a climate change campaign in Cumbria	Grant funding of £2,500 in 2007/08 and £3,000 in 2008/09 and 2009/10	Climate Change Group	Ongoing	Awaiting CSP decision
Increased awareness of staff and members about climate change	Provide and co-ordinate training on climate change for staff and members, particularly front line staff	Cost of venues. Other costs dependant on training provided	Head of HR	June 2009	Training for planning and building control staff planned for April 2009
Increased community awareness of climate change	Raise awareness of climate change issues in AONB area	Staff time	AONB Manager	December 2009	
Reduced consumption of energy and reduces fuel poverty	Improve awareness of funding available for energy efficiency amongst front line staff, visiting officers, Customer Service Advisors and partners	Staff time. Possible costs on booking venues for training	Climate Change Group	March 2009	
Positive effect on tackling climate change	Review existing main Council policies and consider making amendments to assist in tackling climate change	Staff time	Climate Change Group and relevant Service Managers	March 2009	CIP reviewed and report produced in March 2009

Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Reduced impact on climate change	Work with key partners to develop and deliver strategic projects which deliver best practices on sustainable development. Ongoing projects include: Derwent Valley, the Wave, Corus/Derwent Howe Master Plan, Derwent Forest and other projects linked to the Energy Coast Master Plan	Dependant on detailed cost on each project	Director of Partnerships and Community	Ongoing	Work ongoing with a range of key partners including West Lakes Renaissance and North West Development Agency to deliver these strategic projects in a sustainable way.
Reduced impact on climate	Work with key partners to develop plans to address the causes and impact of climate change according to local priorities	Dependant on plans	Partnerships Officer	March 2009	
Reduction in the impact of climate change on our services and community	Assess the risk associated with climate change for the Council Services and our communities and produce plan to adapt accordingly	Staff time	Climate Change Group	March 2009	

CSP Priority Outcome: Maximising Cumbria’s contribution to limiting climate change

3.12.08

**NI 186 per capita reduction in CO₂ emissions in local authority area
NI 188 Planning to adapt to climate change**

Natural Environment Objectives	Supporting Actions	Implementation and resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon targets	
NEO 1. To improve the long term resilience and robustness of the natural environment to climate change	<p>Review and organise additional continuing professional development events for planning staff across Cumbria through the Cumbria Planning Training Scheme and the Cumbria Efficiency & Improvement Partnership Fusion Lab to improve understanding of the natural environment and on how enhancement and resilience can be achieved through the planning process.</p> <p>Incorporate training on use of the existing evidence databases on landscape, biodiversity and historic environments.</p> <p>Include clear, unambiguous policies in Core Strategy documents that: enhance the natural environment and maximise planning gain to reduce vulnerability to climate change impacts; ensure the natural environment is protected from inappropriate development and is able to adapt successfully; utilise green infrastructure to mitigate emissions from new urban development, ensure that</p>	<p>All Planning Authorities in Cumbria</p> <p>Within existing resources.</p>	<p>Regeneration Strategy Manager</p> <p>Planning and Development Manager</p>	<p>1.9.08</p> <p>1.9.09</p> <p>Timescales to be determined as part of the Local Development Schemes produced by individual planning authorities</p>	<p>Ongoing</p> <p>Ongoing</p>		<p>CSP Environment & Heritage Thematic Partnership to monitor jointly with Planning, Transport and Housing Thematic Partnership and jointly agree and report progress made by individual member organisations to CSP Executive Board.</p>

	buildings and infrastructure are designed to cope with both rising temperatures and extreme weather events and connect habitats to allow species to migrate.						
NEO 3. Identify and value the range of ecosystem services provided and action needed to retain these.	Develop an eco-services map of Cumbria highlighting the resources that the environment currently provides, assessing the impacts of climate change on these resources and services (air and water quality, timber, woodfuel, crops and carbon sequestration) and identifying adaptation policy responses and the likely costs of maintaining the availability of these resources for the benefit of society.	Natural England to lead in partnership with appropriate local environmental organisations and agencies. RDPE funding bid required inline with Axis 2	AONB Manager	Initiate partnership and commence pilot on the Lake District by 1.9.09	Complete project by 31.3.11		CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.
NEO 4. Increase sequestration capacity of the natural environment.	Produce an action plan and secure funding to restore and create new habitats, including forests, mudflats and peat bogs, to lock up carbon and assist in soil erosion and flood control.	Natural England and Cumbria Wildlife Trust to jointly lead in partnership with other local environmental organisations and agencies. RDPE funding bid required (Axis 2) and bid to be made for NW carbon offset funding.	AONB Manager	Initiate partnership and commence project by 1.9.09	Certification of natural systems to lock in carbon		CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.

Allerdale Borough Council supporting actions for Natural Environment					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Positive effect on landscape and habitats in the AONB	Progress the Solway Coast AONB Management Plan incorporating the landscape trust	Staff time	AONB Manager	2014	
Nature reserves become sustainable	Development of Management plans for the Council's Nature Reserves at Harrington and Siddick Ponds	Staff time	Parks and Open Spaces Officer	March 2009	

CSP Priority Outcome: Maximising Cumbria's contribution to limiting climate change							2.12.08
NI 186 per capita reduction in CO ₂ emissions in local authority area							
NI 185 CO ₂ reduction from local authority operations							
NI 188 Planning to adapt to climate change							
Spatial Planning Objectives	Supporting Actions	Implementation and Resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
SPO 1. To ensure a consistent and co-ordinated approach to carbon emissions reduction, adaptation to climate change and wider sustainability objectives.	<p>Conduct or commission sustainability appraisals that address climate change of all new and revised major policy documents, plans, strategies and programmes, as part of the plan preparation process.</p> <p>Review of existing Cumbria Sustainability Framework to strengthen climate proofing of policy.</p>	<p>All CSP member organisations</p> <p>Additional resources will be required if SA is not carried out in house.</p> <p>CSP Climate Change Task Group</p>	<p>Corporate Management Team</p> <p>Regeneration Strategy Manager</p>	<p>Organisational arrangements to embed SA in place by 1.9.09.</p> <p>All policy work initiated after 1.09.09 to undergo SA.</p> <p>Complete review by 31.3.10</p>	<p>N/A</p> <p>Ongoing</p> <p>Implement new framework by 1.7.10</p>	<p>N/A</p> <p>Ongoing</p>	<p>CSP Environment & Heritage Thematic Partnership to report progress made by individual member organisations to CSP Executive Board.</p>
SPO 2. To ensure that spatial planning policy across Cumbria aligns with the Cumbria Community Strategy's vision and aspirations for a sustainable, low carbon, well adapted Cumbria.	<p>Adopt policies in Core Strategy Documents that: set targets that contribute to the NI 186 target for CO₂ emissions reduction from all development and supporting transport and energy infrastructure; create sustainable communities with reduced vulnerability and increased resilience to climate change; make space for redistribution of species and habitats; stimulate a low carbon economy in Cumbria and enable people to contribute to mitigation and communities to adapt successfully to climate change.</p> <p>Consider a common spatial planning approach on climate change utilising standard policies on transport, housing and green infrastructure to</p>	<p>Local Planning Authorities and LDNPA</p> <p>Within existing resources</p>	<p>Regeneration Strategy Manager/ Planning and Development Manager</p>	<p>Ensure emerging development plan policies are consistent with national planning objectives set out in the supplement to PPS 1 and that PPS1 planning objectives are given due weight in advance of the introduction of LDFs.</p> <p>25% reduction in</p>	<p>CSP LAA carbon reduction target for Cumbria of 202,000 tonnes p.a. agreed with GONW</p>	<p>Ongoing – target likely to be increased to reflect higher national target of 80% CO₂ reduction by 2050.</p> <p>44% reduction in carbon emissions</p>	<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>

	<p>deliver zero carbon development by a combination of locating development, in both urban and rural areas, in locations that reduce the need to travel by car; stimulate small scale and community level renewable energy generation; accelerate the use of low carbon design, construction and material choice; and provide green infrastructure to help capture and lock up CO₂ emissions, create micro-climates, and buffer settlements from extreme weather events.</p>			<p>carbon emissions from new homes by 2010 (Code for Sustainable Homes level 3).</p> <p>Deliver 10% of predicted energy demand in residential and non-residential developments and major refurbishment schemes from renewable energy generation by 31.3.2010 (RSES & RSS targets).</p>	<p>Deliver 20% of predicted energy demand by 2020</p>	<p>from new homes by 2013 (Code for sustainable homes level 4).</p> <p>Zero carbon homes by 2016</p> <p>Zero carbon commercial development by 2019 (National aspirational target)</p>	
<p>SPO 3. To establish clear guidelines for developers on sustainable low carbon development</p>	<p>Jointly produce Cumbrian guidance for developers on sustainable zero carbon design, construction and material use, on site renewable energy generation, sustainable drainage systems, and green infrastructure techniques that mitigate and alleviate climate change impacts.</p>	<p>CSP Climate Change Task Groups to lead with support from Cumbria County Council and Local Planning Authorities and LDNPA</p> <p>Joint funding of consultancy fees to be agreed and budgeted for.</p>	<p>Regeneration Strategy Manager/Planning and Development Manager</p>	<p>To agree and initiate process by 1.9.09.10</p>	<p>Guidance published by 31.3.11</p>		<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>
<p>SPO 4. To ensure new development is well adapted to deal with future climate change</p>	<p>Ensure that spatial planning policy aligns closely with the aims of Catchment Flood Risk Management Plans and Shoreline Management Plans and supports longer term aims of reconnecting rivers to floodplains</p>	<p>Local planning authorities including LDNPA and Environment Agency</p> <p>Local Planning</p>	<p>Regeneration Strategy Manager/Planning and Development Manager</p>	<p>SFRAs complete by 31.3.10</p>	<p>Timescales to be determined as part of Local development</p>	<p>Periodic review of SFRAs – frequency of review to be determined</p>	<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP</p>

<p>associated with water.</p>	<p>and making land available for water storage.</p> <p>Ensure Strategic Flood Risk Assessments (SFRAs) are kept up to date and cover all types of flooding.</p> <p>Ensure Core Strategy policies are informed by SFRAs and steer development away from flood risk areas.</p> <p>Rigorously assess the need for development in flood risk areas and ensure that where, in exceptional cases approval is given, that buildings are resilient, safe and do not increase flood risk in the area.</p> <p>Adopt policies in Core Strategy Documents that require new development and major refurbishment of existing buildings to include water efficiency measures, including meters, grey water recycling systems, water storage systems and sustainable drainage systems, and promote green roofs and reed bed sewage systems where appropriate.</p>	<p>Authorities and LDNPA</p> <p>Within existing resources</p>			<p>schemes produced by individual planning authorities.</p>		<p>Executive Board.</p>
<p>SPO 5. To reduce carbon dioxide emissions from construction of new developments and subsequent use.</p>	<p>Introduction of Low Emission Strategies in new development proposals to be implemented through planning conditions and legal agreements.</p>	<p>District Councils and LDNPA.</p>	<p>Regeneration Strategy Manager</p>	<p>Commence 1.9.10</p>	<p>Ongoing</p>		<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>
<p>SPO 6. To ensure policy on climate change is underpinned by a sound</p>	<p>Construct an evidence base of the local authority area that includes assessments of the area's potential for renewable and low carbon energy sources, the scope for decentralised energy for new development and</p>	<p>Local Planning Authorities and LDNPA</p>	<p>Regeneration Strategy Manager</p>	<p>Timescales to be determined as part of Local Development Schemes produced by</p>			

evidence base.	neighbouring buildings, existing biodiversity and its capacity to adapt and SFRAs.			individual planning authorities			
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Allerdale Borough Council supporting actions for Spatial Planning					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Future developments are more sustainable	<p>Review planning policies to incorporate sustainable development taking into account the needs and character of the area through the Local Development Framework. Specific actions for review are:</p> <ol style="list-style-type: none"> 1) LDF Core Strategy 2) Other development plan documents 3) Proposed Micro-renewables SPD 	Staff time	Head of Regeneration	1) December 2009 2) December 2010 3) December 2010	
Future developments are more sustainable	Examine existing supplementary planning guidance for sustainable development and determine if any change is required to bring guidance in line with best practice	Staff time	Regeneration Strategy Manger	March 2009	

Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Development is more sustainable	Promote higher building quality standards that include sustainable and green building principles	Staff time Printing costs Cost of staff training	Planning and Development Manager Building Control Manager	Ongoing	

CSP Priority Outcome: Maximising Cumbria's contribution to limiting climate change						2.12.08	
NI 186 per capita reduction in CO ₂ emissions in Cumbria (from 10.4 tCO ₂ per capita to indicative target of 8 t CO ₂) NI 185 CO ₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad) NI 194 % reduction in NO _x and primary PM ₁₀ emissions through local authority's estate and operations							
Transport Objectives	Supporting Actions	Implementation and Resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
TO 1. To reduce carbon dioxide emissions through active management of commuting, business travel, customer access to services and organisational fleet transport.	Set up carbon dioxide emissions baseline data for organisational transport and year on year reporting system. Introduce employee travel plans with incentives & disincentives to reduce car use including on site secure cycle parking and showers, reduced on site parking provision and home and flexible working. Introduce video/web and telephone conferencing. Increase car sharing by managing reimbursement process and introducing incentives. Introduce travel policy which favours public transport over car and air travel. Review of assisted purchase/lease	All CSP member organisations Resources for all supporting actions to be made available from organisational budgets and external grant sources.	Climate Change Working Group Head of Human Resources IT Services Manager Head of Human Resources Environmental	Organisational arrangements in place by 1.9.09 5% reduction in transport carbon dioxide emissions from 2007 baseline by 31.3.10 CSP member organisations to derive and set their own	12% reduction in transport CO ₂ emissions from 2007 baseline by 31.3.11.	20% reduction in transport CO ₂ emissions by 31.3.12.	CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.

	<p>schemes and car hire schemes.</p> <p>Review transport fleet use and fuel efficiency.</p> <p>Introduce driver training to reduce fuel consumption.</p> <p>Introduce fuel efficient/low CO₂ emission vehicles into transport fleet.</p> <p>Change customer access to services to minimise the need for travel through a combination of internet based services and accessibility planning.</p>		<p>Services Manager</p> <p>Head of Customer Services</p>	<p>outcome based targets for other actions e.g. 6 sites with video conferencing facilities set up by 31.3.09</p>		<p>Delivery plans reviewed and accessibility action plan in place.</p>	
TO 6. Reduce the number of car journeys into the larger towns in Cumbria.	Put in place new approaches to parking provision that reduce transport emissions.	Cumbria CC to lead with District Councils	Parking Services Manager	Instigate preparatory work by 1.9.09			Planning, Transport and Housing Thematic Partnership to report progress annually to CSP Executive Board.
TO 7. Expand workplace travel planning	<p>Initiate workplace travel plans in all workplaces employing over 100 staff.</p> <p>Actively monitor and maintain effectiveness of established travel plans.</p>	<p>Cumbria County Council to lead supported by local planning authorities and local employers.</p> <p>Supporting actions to be carried out using existing resources</p>	Head of Human Resources	15,500 staff covered by workplace travel plans.	16,500 staff covered by workplace travel plans 31.3.11	<p>30,000 staff covered by workplace travel plans by 2012</p> <p>0.5% reduction CO₂ (3,900 tCO₂)</p>	Planning, Transport and Housing Thematic Partnership to report progress annually to CSP Executive Board.

<p>TO 8. Reduce tourist related carbon emissions across Cumbria.</p>	<p>Jointly fund low carbon visitor travel strategies and pilot programmes backed with sustainable travel packs.</p> <p>Implement the emerging recommendations on developing a sustainable transport framework for the LDNP. Possible measures identified include proposals for tourist travel advice, tourist travel cards, bike hire facilities, onward transport for tourists to accommodation from railway stations, overhaul of parking, parking facilities and links to footpaths, cycle hire and public transport network.</p>	<p>LDNPA to lead with Cumbria Tourism, and Natural England in partnership with the Green Business Forum and the Tourism and Conservation Partnership, District Councils and Cumbria County Council.</p> <p>Estimated £150,000 required over 3 year period from 1.4.09</p> <p>LDNPA to lead in partnership with Cumbria Tourism and Cumbria CC.</p> <p>Resources to be identified, possibly using parking income and possibly seeking external funding for sustainable tourism pilot travel initiative.</p>	<p>Parking Services Manager</p> <p>Regeneration Strategy Manager</p>	<p>Establish tourist emissions baseline. By 31.3.10</p> <p>Secure funding for research and action by 31.3.10.</p>	<p>Introduce pilot schemes to save 5,000 tCO₂ by 31.3.11.</p>	<p>0.4% reduction CO₂ (5,000 tCO₂ pa)</p>	<p>Planning, Transport and Housing Thematic Partnership to report progress annually to CSP Executive Board.</p>
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Allerdale Borough Council supporting actions for Transport					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
<p>More sustainable travel for staff and members</p>	<p>Review existing car user policy to identify incentives for more sustainable travel and produce staff and member travel plan</p>	<p>Staff times. Other costs dependant on findings</p>	<p>Head of HR</p>	<p>March 2009</p>	

Outcome	Actions	Resources	Lead Officer	Target Date	Progress
More sustainable travel for staff	Consider staff pool bicycle scheme	Staff time. Cost of storage facilities and maintenance	Head of HR	June 2009	
Reduction in fuel consumption	Promote sensible driving message to staff and members	Staff time	Climate Change Group	March 2009	
Reduction in greenhouse gases	Consider impact of on staff and the community in accessing and delivery of services at current and potential new Council Centres.	Dependant on results of findings.	Director of Customer Services	March 2009	
Reduction in greenhouse gases by main partners	Work with main partners to achieve reduction in energy use and reduction in greenhouse gases in the delivery of Council services, particularly when planning the purchase of replacement vehicles	Staff time. Possible increase in contract costs	Environmental Services Manager	Ongoing	
Reduction in greenhouse gases by reducing travel	Consider extending the use of video conferencing	Possible increase in equipment costs. Staff time	IT Services Manager	December 2010	

CSP Priority Outcome: Maximise Cumbria's contribution to limiting climate change							2.12.08
NI 186 per capita reduction in CO ₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO ₂)							
NI 185 CO ₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad)							
NI 188 Planning to adapt to climate change							
Water Objectives	Supporting Actions	Implementation and resources required	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
WTRO 1. To reduce the use of clean water (and its associated energy requirements) by all CSP organisations and their activities	<p>Initiate a water consumption reduction programme within the estate and buildings of all CSP member organisations, identifying current usage and planned efficiencies.</p> <p>Ensure any new addition to or major refurbishment of CSP building stock incorporates water efficiency measures, water storage facilities and where feasible, sustainable urban drainage systems and green roofs to reduce and slow rainfall run off.</p>	<p>All CSP organisations</p> <p>Likely to make overall, medium term financial savings but may require initial small capital investment.</p> <p>All CSP member organisations</p> <p>Own organisational budgets.</p>	Asset Management Manager	<p>Water reduction policy and programme in place by 1.9.09</p> <p>Prominently display annual water use per capita in reception area by 1.9.09</p> <p>5% reduction in water use from 2007 baseline by 31.3.10</p> <p>Policy enshrined by 1.9.09</p>	<p>Ongoing – review and update</p> <p>Ongoing – display comparison with previous year</p> <p>15 % reduction in water use from 08/09 baseline by 31.3.11</p> <p>Ongoing</p>	Reduction in clean water use by 20% by 2015	CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.
WTRO 2.To ensure that flood protection schemes are in place to protect	Report to the CSP on progress in response to the Pitt Review of Flooding and actions necessary to improve current flood defence programmes, emergency	County Council to lead with support from Local Authorities and the Environment	Asset Management Manager	Progress report available by 1.9.09	Ongoing reporting		CSP Environment & Heritage Thematic Partnership to monitor and report

people and property across Cumbria from extreme rainfall and abnormal tidal surges associated with climate change.	arrangements and provision for communities affected, the resilience of critical infrastructure, the provision of meteorological data and the development of a surface water plan.	Agency Staff time required.					progress to CSP Executive Board.
WTRO 4. Influence changes in land management to modify the effects of climate change	To encourage land based industries and private estates in Cumbria to modify their land management practices to promote an eco-services approach to water retention, buffering and supply.	CSP organisations with direct or indirect influence on land management to take action. Advice service will require funding (to be determined)	AONB Manager Parks and Open Spaces Officer	Eco services seminar for stakeholders to be held by 31.3.10	Ongoing	2015 All land managers to understand and use eco services approach to managing water.	CSP Environment & Heritage Thematic Partnership to monitor and report progress to CSP Executive Board.

Allerdale Borough Council supporting actions for Water					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Reduction in water use	Review results of trial of using water saving devices in Council buildings and assess scope for extending	Dependent on findings. Staff time	Asset Management Manager	December 2008	Water saving devices in place in main Council buildings
Reduction in water use	Assess scope for reuse of grey water in Council buildings and prioritise for action	Staff time	Asset Management Manager	March 2009	
Reduction in flooding	Incorporate sustainable drainage systems into Council developments where possible	Dependent on cost in each development	Asset Management Manager	Ongoing	

Reduction in water use	Raise awareness of staff on water saving measures	Staff time Printing costs	Climate Change Group	October 2008	Campaign took place in August 2008
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CSP Priority Outcome: Maximise Cumbria’s contribution to limiting climate change

16.12.08

NI 186 per capita reduction in CO₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO₂)

NI 185 CO₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad)

NI 188 Planning to adapt to climate change

Health Objectives	Supporting Actions	Implementation and resources required	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon Targets	
HO2. To implement programmes that protect the public and employees against the potential impacts of climate change on health	Ensure synergies between different partner policy approaches to climate change and health promotion and health protection.	CERT funding, Warm Homes, Decent Homes and Housing Renewal Grant for domestic energy improvement.	Heads of Service		Ongoing communication Ongoing reviews		Healthy Communities and Older People Thematic Partnership to monitor and report progress to CSP Executive Board.
HO 3. Promote healthy lifestyles that reduce CO ₂ emissions	<p>Support the development of local food initiatives to enable people to access healthy, affordable food in their local community, including local food procurement in schools.</p> <p>Include in Core Strategy Documents a requirement that new residential developments are designed with individual gardens or in communal housing space for allotments.</p> <p>Expand the delivery of measures in new and existing development that encourages and promotes safer cycling and walking rather than inert, sedentary travel.</p>	<p>Local Authorities to lead and Public Health to advise. CREA and Cumbria County Council to contribute.</p> <p>£50,000 pa for cycle development in additional to infrastructure budget.</p>	<p>South Workington Neighbourhood Manager</p> <p>Regeneration Strategy Manager</p> <p>Planning and Development Manager</p>	<p>Agree a partnership strategy on healthy lifestyles by 31.3.10</p> <p>Expansion in number of allotment sites by 5% on 2008/9 levels by 31.3.10</p> <p>Increase in cycling and walking miles by 5% by 31.3.10 from 2007 baseline</p>	<p>Implement strategy.</p> <p>Expansion in number of allotment sites by 10% on 2008/9 levels by 31.3.11</p> <p>Increase in cycling and walking miles by 10% by 31.3.11 from 2007 baseline.</p>		<p>Healthy Communities and Older People Thematic Partnership to monitor and report progress to CSP Executive Board.</p> <p>Planning Transport and Housing Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>

NI 186 per capita reduction in CO₂ emissions in local authority area
 NI 185 CO₂ reduction from local authority operations
 NI 188 Planning to adapt to climate change

Housing and Buildings Objectives	Supporting Actions	Implementation and resources	Lead Officer	Targets			Monitoring & Reporting
				09/10	10/11	Near Horizon Targets	
HBO 1. To develop a common approach to development management and building regulations in support of spatial planning policies on zero carbon development.	Adopt a common approach to development management and building regulations that delivers and implements zero carbon policies contained in Core Strategies. Explore and agree new local standards that exceed current Part L Building Regs and BREEM excellent rating in anticipation of higher national building regulations and standards being introduced. Sponsor and fund a series of awareness raising events and training initiatives for architects, builders, housing professionals and developers to ensure that future development proposals and refurbishments reduce embodied energy and operational energy use and contribute to meeting zero carbon targets.	Local Planning and Building Regulations Authorities and LDNPA Within existing resources. CSP Climate Change Task Group to lead with support from BRAs and LDNPA. NWDA funding.	Regeneration Strategy Manager	25% reduction in carbon emissions from new homes (Code for sustainable homes level 3).	Ongoing – scope to become an annual event.	44% reduction in carbon emissions from new homes by 2013 (Code for sustainable homes level 4). Zero carbon homes by 2016 Zero carbon commercial development by 2019 (National aspirational target)	CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.
			Building Control Manager	10% energy needs from on site renewable energy generation by 31.3.10			
			Planning Services Manager	Initiate planning for first event by 1.9.09			

<p>HBO 2. To ensure the costs of meeting higher sustainability standards do not reduce affordable social housing provision in Cumbria.</p>	<p>Continue to advocate the need for affordable housing in Cumbria through NW Housing Forum and Regional Housing Group, backed by an investment plan designed to meet the Homes and Communities Agency targets and deliver Level 3 of the Code for Sustainable Homes in small scale developments.</p> <p>Explore with HCA ways of meeting and funding levels 4,5 and 6 in the Code for Sustainable Homes in small scale developments.</p>	<p>Cumbria Housing Group to lead with support from Cumbria Housing Executive Group and RSLs</p> <p>Homes and Communities Agency funding and possibility of levering in private investment.</p>	<p>Housing Services Manager</p>	<p>Develop investment plan by 1.9.09</p>	<p>Agree solution by 31.3.11</p>	<p>Zero carbon homes by 2016</p>	<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>
<p>HBO 3. To reduce carbon emissions from existing homes and non domestic buildings.</p>	<p>Adopt a common approach on the conversion and change of use of existing stock to climate proof existing buildings by including improvements in energy efficiency, low carbon construction and on site microgeneration.</p> <p>Maximise micro-renewables uptake through Local Development Orders</p> <p>Work to improve energy efficiency of existing homes through marketing of available measures, grant uptake and installation.</p>	<p>Local Planning and Building Regulations Authorities and LDNPA</p> <p>Within existing resources</p> <p>Local Planning Authorities and LDNPA</p> <p>ESTAC to lead with District Councils and owner occupiers</p> <p>CERT funding</p>	<p>Regeneration Strategy Manager</p> <p>Building Control Manager</p> <p>Planning and Development Manager</p> <p>Planning and Development Manager/Building Control Manager with Support from Housing Services Manager</p>	<p>Agree and implement by 1.9.09</p> <p>Timescales to be determined in Local Development Schemes produced by individual planning authorities</p> <p>ESTAC to agree targets for home energy efficiency advice: numbers of advisory visits and CO₂ saving.</p>	<p>31,000 t CO₂ reduction by 2011 (housing current annual contribution to N1 185)</p> <p>Ongoing – likely to increase over time.</p> <p>Meet agreed targets.</p>		<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>

	<p>Work with ESTAC and other partners to identify methods of intervention and funding to reduce CO2 emissions in Cumbria's existing housing stock, including private sector dwellings.</p> <p>Update the Cumbrian Housing Strategy action plans to align with Government policy to deliver zero carbon homes by 2016.</p> <p>Review existing housing stock and targets to meet 'decent homes' standard in terms of energy efficiency and insulation.</p> <p>Set stretch SAP rating targets to upgrade existing RSL social housing.</p>	<p>Cumbria Housing Group to lead with ESTAC, RSLs, and Decent Homes Group</p> <p>CERT funding, Housing Renewal Grant and 'Decent Homes' funding.</p> <p>Decent Homes Group to lead on behalf of Cumbria Housing Group</p> <p>Decent Homes Group to lead with Cumbria Housing Group and RSLs</p> <p>RSLs to lead with Cumbria Housing Group and Councils</p>		<p>Initial report on progress identified actions by 1.9.09</p> <p>Complete by 1.9.09</p> <p>Finalise targets by 1.9.09</p> <p>Finalise targets by 1.9.09</p>		<p>Aspirational target of SAP rating 65 for all of existing housing stock by 2016</p>	<p>CSP Planning, Transport and Housing Thematic Partnership to report progress made to CSP Executive Board.</p>
<p>HBO 4. To reduce carbon dioxide emissions from public sector buildings, depots and offices across Cumbria.</p>	<p>Participate in the Carbon Trust's Carbon Management Programme</p>	<p>Copeland BC, Barrow BC, Allerdale BC and Eden DC, Police and University of Cumbria and PCT.</p> <p>Within existing resources and use of Salix funding.</p>	<p>Asset Management Manager</p>	<p>Join by May 2009</p> <p>Agree CO₂ reduction plan by 31.3.10</p>		<p>25% CO₂ reduction by 31.3.12</p>	<p>CSP Environment & Heritage Thematic Partnership to report progress made by individual member organisations to CSP Executive Board.</p>

Allerdale Borough Council supporting actions for Housing and Building					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Reduced consumption of energy and reduces fuel poverty	Promote availability of energy saving measures in homes in conjunction with ESTAC	Staff time	Housing Services Manager	Ongoing	

CSP Priority Outcome: Maximise Cumbria’s contribution to limiting climate change

2.12.08

NI 186 per capita reduction in CO₂ emissions in Cumbria (from 10.4 tonnes per capita to indicative target of 8 tonnes CO₂)

NI 185 CO₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad)

NI 194 % reduction in NOx and primary PM₁₀ emissions through local authority’s estate and operations

Industry and Commerce Objectives	Supporting Actions	Implementation and resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon	
ICO 4.To encourage action on climate change through the adoption of national charters and corporate social responsibility	<p>Adopt and implement the national Climate Change Charter, initiate action amongst their member companies to reduce carbon emissions, and assess and plan for climate change.</p> <p>Encourage business leaders to adopt a system of reporting and publishing annual corporate social responsibility reports, learning from best practice by peers, detailing the steps taken to reduce the impact of their operations on the environment (including greenhouse gas emissions and climate change) and other issues of concern to consumers and society.</p>	<p>Cumbria Chamber of Commerce, the Federation of Small Businesses and other business support organisations.</p> <p>Local businesses, commercial organisations and Industry.</p> <p>All CSP members, Chamber of Commerce and Cumbria Vision</p>	Director of Partnerships and Community	<p>Adopted by 1.9.09</p> <p>Implementation begun by 31.3.10</p> <p>At least two training events on corporate social responsibility reporting to be held by 31.3.10</p>	<p>40% adoption of Charter by members by 31.3.11</p> <p>Annual company and organisational reports to include progress reports on climate change activity for period 2009/2010</p>	<p>60% adoption by members by 31.3.12</p>	Economic Development and Enterprise Thematic Partnership to monitor and report progress to CSP Executive Board.
ICO 5. To ensure funding support programmes to businesses in Cumbria align with the main objectives of the Cumbria Climate Change Action Plan and help reduce carbon dioxide emissions	Ensure through partnership working that the local delivery of all funding streams (such as RDPE and NWDA) recognise the Cumbria Climate Change Action Plan objectives as key criteria in the assessment of applications and granting of funds.	All CSP members and Cumbria County Council.	Head of Regeneration	Climate Change Action Plan to be recognised in local guidance notes in various funds by 31.3.10	Ongoing		Economic Development and Enterprise Thematic Partnership to monitor and report progress to CSP Executive Board

CSP Priority Outcome: Maximising Cumbria’s contribution to limiting climate change

2.12.08

NI 186 per capita reduction in CO₂ emissions in Cumbria (from 10.4 t per capita to indicative target of 8 t CO₂)
 NI 185 CO₂ reduction from local authority operations (aspirational target of 25% agreed for Cumbria Quad)
 NI 188 planning to adapt to climate change
 NI 194 % reduction in NO_x and primary PM₁₀ emissions through local authority’s estate and operations

Procurement Objectives	Supporting Actions	Implementation and Resources	Lead Officer	Targets			Monitoring and Reporting
				09/10	10/11	Near Horizon targets	
<p>PO 1. To match best practice on sustainable procurement and progressively reduce the carbon content of goods, services and major infrastructure contracts.</p>	<p>Adopt a sustainable procurement policy that progressively meets each of the levels of the Sustainable Procurement Flexible Framework and:</p> <ul style="list-style-type: none"> embeds carbon analysis and climatic resilience into key procurement decisions; operates within longer term budgeting and legal framework to transform best value procurement into sustainable procurement, based on life cycle assessment of goods and services before purchase; commits to procuring the most energy efficient goods and equipment available; reduces excessive packaging waste; initiates a review of areas of major spend to identify those with adverse environmental impacts or high carbon content; builds continuous 	<p>All CSP organisations</p> <p>Within existing resources.</p>	<p>Corporate Procurement Officer</p>	<p>Level 2 of Sustainable Procurement Flexible framework achieved by 31.3.10</p>	<p>Level 3 of Sustainable Procurement Flexible framework achieved by 31.3.11</p>	<p>Level 5 of Sustainable Procurement Flexible framework achieved by 31.3.14</p>	<p>CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>

	<p>improvement into procurement contracts that focuses on output specification where appropriate and encourages suppliers to innovate and provide goods and services that keep pace with best practice in sustainable procurement;</p> <p>embeds social, economic and environmental factors into the procurement process;</p> <p>influences consumer demand within their organisations through a programme of awareness raising designed to ensure purchasing decisions increasingly favour low environmental impact, low carbon content, and locally sourced goods and services within an open, fair and competitive process.</p>						
<p>PO 2. To expand joint procurement arrangements in Cumbria and develop local best practice through EPiC and other sustainable procurement partnerships.</p>	<p>Work jointly to facilitate local procurement of goods, services, food, fuels and other natural materials through the further development of local supply chains.</p> <p>EPiC to develop a model sustainable, low carbon procurement policy for use by CSP organisations and to</p>	<p>EPiC to lead on developing best practice on sustainable, low carbon procurement applicable to both public and private sectors.</p> <p>EPiC to lead</p>	<p>Corporate Procurement Officer</p>	<p>EPiC to determine necessary action and develop a programme to facilitate local procurement by 31.3.09</p> <p>Model policy available by 31.3.10</p> <p>Advice on reducing</p>	<p>EPiC to develop a range of targets on which progress towards sustainable, low carbon procurement can be measured by 31.3.11</p>		<p>CSP Environment & Heritage Thematic Partnership to monitor and report progress made by individual member organisations to CSP Executive Board.</p>

	<p>advise on reducing embodied carbon in products, services, infrastructure and associated supply chains;</p> <p>EpiC to develop a model sustainable, low procurement guide for would be suppliers that incorporates phased approach to PAS 2050 assessment of the carbon footprint of goods and services and to organise supplier training to support its implementation.</p> <p>Request EpiC to work jointly with the Energy Savings Trust and North West Improvement and Efficiency Partnership to develop a carbon calculator and a sustainability assessment tool to inform sustainable, low carbon purchasing decisions and organise training in its use.</p>	<p>EpiC to lead</p> <p>EpiC to lead</p>		<p>carbon content of products and services available by 31.3.10</p> <p>Supplier guide developed and training carried out by 31.3.10</p>	<p>Further training for potential suppliers repeated on annual basis</p> <p>Carbon calculator and sustainability assessment tool fully developed and in use with CSP organisations by 31.3.11</p>		
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Allerdale Borough Council supporting actions for Procurement					
Outcome	Actions	Resources	Lead Officer	Target Date	Progress
Increase the purchase of sustainable goods and service	Review the Council's procurement policy to take into account climate change	Staff time. Other costs dependant on services purchased	Corporate Procurement Officer	March 2009	
More sustainable purchase of food and reduction in waste	Review the Council's use of outside caterers and include need for locally sourced food and reusable/recyclable utensils	Staff time. Other costs dependant on contract prices obtained	Corporate Procurement Officer	March 2009	Completed. Current caterer contributes to outcome
Increase use of recycled paper by the Council	Carry out review of potential for use of recycled paper or paper sourced from sustainable sources, including in printed paper and implement findings	Staff time. Possible increased cost of paper or new equipment	IT Services Manager	Review by March 2008 Implement by March 2009	Photocopier and desktop printing uses recycled paper