

Climate Change Strategy
2008-2013



Lancaster City Council

V 4.5
2009/10 Refresh

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Glossary

Adaptation: In the context of this Strategy adaptation refers to the need to adapt to the effects of climate change which are already evident or are due to occur in the future.

Carbon footprint: A "measure of the impact human activities have on the environment in terms of the amount of green house gases produced, measured in units of CO₂." Using the term 'carbon footprint' means that individuals and organisations can conceptualise their own impact in contributing to climate change.

CO₂ or Carbon Dioxide: A green house gas which, it is estimated, accounts for 63% of all emissions from human activity and which the Kyoto Protocol identifies as the major contributor to human induced global warming. It is the reduction of CO₂ emissions that is considered paramount in reducing climate change.

CO₂(e) or Carbon Dioxide Equivalent: The contribution of other greenhouse gases such as methane and hydroflurocarbons is minimal in comparison to CO₂, therefore, these remaining greenhouse gases are measured in their carbon dioxide equivalent.

Energy: Refers to both electricity and gas unless otherwise stated.

Microgeneration: Alternatively called micropower, microgeneration is the production of power on a small scale with technologies often situated close to where the energy is required. Microgeneration produces heat and/or electricity but emits only low levels of carbon dioxide, if any at all.

Mitigation: In the context of this Strategy mitigation refers to taking long-term action to reduce or prevent climate change.

Sustainability: Living sustainably means living within and balancing the economic, social and environmental needs of the community. Sustainable development meets the needs of the present without compromising the ability of future generations to meet their own needs.

tCO₂ or Tonnes of Carbon Dioxide: The term used to quantify a measurement of CO₂ – may also refer to kgCO₂ or Kilograms of Carbon Dioxide (there are 1,000kg to a tonne)

Abbreviations

LTH – Lancaster Town Hall

MTH – Morecambe Town Hall

OFS – Old Fire Station

SASC – Salt Ayre Sports Centre

EST – Energy Saving Trust

CT – Carbon Trust

Climate Change Policy Statement

Lancaster City Council acknowledges that climate change is occurring and will be a critical factor to Lancaster district's development throughout the 21st Century. We recognise the social, economic and environmental risks and opportunities of climate change and welcome government targets to reduce greenhouse gas emissions.

To tackle climate change in Lancaster district Lancaster City Council will...

- 🏠 Continue to make a public commitment to develop local responses to climate change
- 🏠 Reduce our energy use and minimise our waste to landfill
- 🏠 Increase our staff awareness of climate change and sustainability issues
- 🏠 Reduce carbon emissions from our buildings and transport by 34% by 2020, leading to 80% by 2050 (equating to 3.4% per year for the remaining life of this Strategy)
- 🏠 Work with our partners, including the Energy Saving Trust and the Lancaster District Local Strategic Partnership, to develop and assist in the implementation of local climate change action plans
- 🏠 Encourage and enable where possible, all sectors of our community to reduce their impact on, and adapt to the consequences of, climate change

Introduction

Climate Change

Climate change is caused when the earth's temperature rises due to the increase of greenhouse gases, such as CO₂, methane and hydrofluorocarbons, in the atmosphere. Greenhouse gases occur naturally in the earth's atmosphere. However, it has been scientifically documented that the temperature of the earth has significantly increased in the last 150 years since humans began to extract and burn fossil fuels at a much faster rate.

There is no longer any scientific debate over the fact that climate change is happening. The International Panel on Climate Change (IPCC) has advised that the only doubt which remains regarding climate change is the extent of its impacts.

In 2009, the Met Office released the results of a comprehensive study which aims to predict changes in future weather. In the North West of England it is estimated that by 2050 we will have an average of 18% less annual rainfall (with a maximum reduction of 36%) – this could manifest as droughts in summer and floods in winter – and an average temperature increase of 2°C (with a maximum increase of 3.1°C). Some climate models suggest the weather in Europe by 2040 will be akin to that of the UK heat wave of summer 2003.

If Governments, both local and national, address climate change now by using less energy, minimising waste and adapting to the effects of climate change, we can halt any further degradation of the earth and its atmosphere. The *Economics of Climate Change* (2006), a review by Sir Nicholas Stern, advises us that costs to tackle climate change will be far less onerous the sooner action is taken.

International & National Policy

A Climate of Change (2007) from the Local Government Commission places an emphasis on the role of local government as community leaders in policy and action stating that “tackling climate change must be at the centre of local government’s vision for their communities....it is the single priority which overrides all others, now and for the foreseeable future.”¹

The *Kyoto Protocol*, adopted in 1997, is the current international agreement on reducing greenhouse gases and places caps on the emissions of industrialised economies. The UK are on track to surpass their *Kyoto* commitment to reduce greenhouse gas emissions by 12.5% below 1990 levels over the 2008 to 2012 commitment period. The *Climate Change Act*, granted Royal Assent in Parliament in November 2008, places a duty on the Government to assess the risk to the UK from the impacts of climate change and commits the UK to meeting a reduction in green house gases of 80% by 2050 based on 1990 levels, a greater target than that outlined for CO₂ in the 2006 white paper *Strong and Prosperous Communities*.



¹ Local Government Association, *A Climate of Change* (2007)

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The *Climate Change Act 2008* also provides an interim target of a 30% reduction in CO₂ by 2020, which the Lancashire Climate Change Partnership has adopted County-wide through the *Lancashire Climate Change Strategy 2009-2020*. The 2009 Order which followed the *Climate Change Act* increases this reduction target to 34% by 2020 (based on 1990 levels) and will be calculated by reference to all targeted greenhouse gases, rather than just carbon dioxide.²

Climate Change: The UK Programme 2006 identifies that the public sector is in a key position to lead on CO₂ emissions reduction by setting a behavioural and strategic example to the private sector. Further, it identifies that action by local authorities is “likely to be critical to the achievement of government's climate change objectives” identifying that local authorities can have significant influence over emissions in their districts.

The Role of Lancaster City Council

Lancaster City Council's role is to help wherever possible, Lancaster district address the major issues it faces. It will use this strategy to focus its own efforts in tackling climate change and will contribute to the wider climate change agenda through its links with the Lancaster District Local Strategic Partnership.

Of the 198 National Indicators in *The New Performance Framework for Local Authorities (2008)* seven relating to the environment have been adopted by the Lancashire Local Area Agreement (LAA) and therefore become mandatory indicators for all agencies charged with its delivery. Four of these National Indicators are particularly relevant to the Climate Change Strategy and shall be referenced throughout;

- NI 185 – CO₂ reduction from local authority operations
- NI 186 – Per capita reduction in CO₂ emissions in the local authority area
- NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating
- NI 188 – Planning to adapt to climate change

We are a partner of the Lancaster District Local Strategic Partnership (LDLSP) and we are committed to assisting in the delivery of the Sustainable Community Strategy. One of the three priorities on the theme of Environment in the Sustainable Community Strategy is especially relevant to the Climate Change Strategy; “To reduce our impact on, and adapt to the consequences of, climate change”.

Lancaster City Council has already taken up the challenge to reduce carbon emissions by signing the Northwest Climate Change Charter, a voluntary pledge to the community to address climate change. Furthermore, climate change remains a high priority in the Council's Corporate Plan through which we are committed to “Develop local responses to Climate Change” in 2009/12.

Please refer to Appendix 2 for further information on the above points.

We are also working closely with our partners at the Energy Saving Trust as a member of their One-to-One Support Programme, a two year support programme which began in February 2009. The Energy Saving Trust One-to-One Support Programme provides free, tailored support to develop and

² The target is currently 34% reduction in all Green House Gases – if Kyoto make a new global deal in the coming years this may increase to 43%. Lancashire County Council hope to adopt new target as and when future legislation dictates.

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implement a Climate Change Action Plan to ensure a strategic approach to sustainable energy across both the Council and Lancaster district. The Action Plan will be available in winter 2009 and will be reflected more fully in the 2010/11 refresh.

We recognise that as the technologies to tackle climate change advance this Strategy will need to be developed and adapted. It should, therefore, be noted that the actions in this Strategy are not exhaustive but will provide inspiration and guidance for actions in future revisions. In addition, a district-wide Climate Change Strategy that will build on this document and will address climate change throughout the community will be beneficial in the future and something that the LDLSP is keen to develop and promote.

Resources

The Climate Change Strategy is based on a 5 year action plan which began in April 2008. Now in its second year, this Strategy has the following resources available to support its delivery:

For 2009/10, Lancaster City Council has financial resources of £20,000 dedicated to the delivery of the Climate Change Strategy plus an additional £20,000 capital provision (£100,000 over 5 years from 2008/09 onwards) to spend on energy reduction initiatives developed through the Climate Change Cabinet Liaison Group. A further £8,800 annual revenue provision for energy conservation initiatives is also available. This equates to approximately £48,800 in 2009/10.

For 2009/10, Lancaster City Council has limited staff resources focused on climate change in the areas of energy, waste, fleet, procurement, planning and housing. One full time post, that of the Sustainability Coordinator, is committed to developing and co-ordinating City Council local responses to climate change, including delivering the Energy Saving Trust One-to-One Support Programme.

In addition, the LDLSP has funded the part-time post of Climate Change Action Coordinator. The Coordinator is employed by the Sustainability Partnership of Lancaster District and is hosted by LESS (Local & Effective Sustainable Solutions). Their role is to coordinate the approach to NI 186 within the LAA partners of the LDLSP. Once projects to reduce carbon emissions in the Lancaster district have been identified, the Climate Change Action Coordinator will advise the partners on further projects they could undertake to ensure the achievement of the NI 186 target. The Sustainability Coordinator is working closely with the Climate Change Action Coordinator to determine how Lancaster City Council can meet its responsibilities under NI 186.

Please refer to Appendix 3 for details of the resources required by the actions in this Strategy.

Cutting Carbon Emissions

Lancaster City Council recognises the importance of setting and achieving challenging targets to reduce our carbon emissions. The actions within this Strategy will help to meet these targets. Through Lancaster City Council’s commitment to NI 185 (CO₂ reduction from local authority operations) within the Local Area Agreement, we are now able to collate information to accurately calculate our carbon emissions.³ We are, however, as yet unable to calculate all targeted greenhouse gas emissions in line with the most up to date national policies.

In Year 1 of this Strategy, Lancaster City Council highlighted 2008/9 as its baseline year for measuring carbon emissions and setting realistic targets for future reductions in carbon. With this in mind and using guidance provided by Defra, our targets reflect national reduction targets but will relate only to carbon as detailed below. In addition, further detailed CO₂ reduction targets for each corporate building and transport sector will be built into the 2010/11 refresh of this Strategy, for details please see Appendix 4.

Carbon Reduction Targets by Percentage

2020 CO₂ Reduction Target	2050 CO₂ Reduction Target	Annual CO₂ Reduction Target
34%	80 %	3.4% until 2019/20 then 1.53% until 2049/50

Carbon Emission Monitoring and Potential Reduction in tCO₂

	CO₂ from buildings (tCO₂)	CO₂ from transport – incl. staff travel (tCO₂)	Total CO₂ emissions (tCO₂)	Target total CO₂ emissions (tCO₂)	Target reduction in CO₂ emissions (tCO₂)
2009/10	-	-	-	4408.16	155.15
2008/09	3034.34	1528.97	4563.31	X	X

³ Prior to this our carbon emissions were estimated with a simple toolkit and did not include all corporate buildings or staff travel (as measured for NI 185). Past years emissions are as follows; 2007/08 at approx. 3905.49 tCO₂; 2006/07 at approx. 4041.33 tCO₂; 2005/06 at approx. 3748.21 tCO₂.

Energy Use in Corporate Buildings

Introduction



In 2008/09 carbon emissions from Lancaster City Council's buildings totalled 3034.34 tCO₂, this equates to 66.5% of our total carbon emissions. Reducing the energy use in our buildings will help to reduce our carbon footprint and fulfil our responsibilities under NI 185 – CO₂ reduction from local authority operations. Energy consumption is a contentious issue at present due to concerns surrounding energy security, the continued rise in energy costs, and the need to balance the use of traditional fossil fuels with renewable energy sources.

At the inception of this Strategy, Lancaster City Council's Access to Services Review anticipated that four Corporate buildings would be retained once the roll out of its recommendations was complete. As of October 2009, the basic principal of the Access to Services Review remains that the Council will ultimately reduce its main office bases to Lancaster and Morecambe Town Halls, however, the current economic climate, amongst other factors, means that Lancaster City Council may retain the remainder of their Corporate buildings for longer than originally expected. The majority of building sales resulting from the above cannot now be guaranteed to take place within the life of this Strategy.

In August 2008 we instructed the Carbon Trust to deliver a free Energy Audit of Lancaster and Morecambe Town Halls, Salt Ayre Sports Centre (SASC) and the Old Fire Station, as well as employee commuting, as a result of actions laid out in Year 1 of the Strategy. In October 2008 we received the results of this Audit which provided the Council with a list of recommendations to improve our energy use and a basic indication of costs for any improvements. Through the Energy Audit, SASC was identified as our key energy user, producing approximately 1,472.1 tCO₂e a year at an energy cost of £237,162 equating to approximately half of Lancaster City Council's energy spend. As a result of these findings, the Climate Change Cabinet Liaison Group is working closely with the staff at SASC to develop and fund a programme of energy efficiency measures. The staff at SASC continue to show their commitment to reducing their energy use, which is greatly appreciated in enhancing the delivery of this Strategy.

An energy optimisation system was installed at Lancaster Town Hall in January 2009 as a result of the Climate Change Strategy. This system, *powerPerfector*, ensures the most efficient use of energy by regulating the voltage in line with demand. The installers of *powerPerfector* predict annual savings of approximately 17.75 tCO₂ (£3,559) which will assist in meeting our carbon reduction targets.

In addition, we believe that the Energy Saving Trust One-to-One Support Programme will assist us in managing our energy use more efficiently through implementing the Climate Change Action Plan.

Energy Actions Table

Year	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Roll out energy reduction programme at SASC	A programme of 16 energy saving projects has been determined by SASC	Cultural Services & Property Services	Estimated £29,163	£241,240 over 5 years CO ₂ savings not yet calculated
2010/11	Explore introducing energy optimisation software across all IT – roll out if suitable	Such software makes it easy to monitor and enforce a power saving policy ensuring a full switch-off of all non-essential IT equipment outside office hours	Information & Custom Services	Finance and staff time dependent on software chosen	CO ₂ and financial savings dependent on software chosen
2010/11	Develop Energy Reduction Plans for each Corporate Building	Use IHCC, EST Action Plan and CT Energy Audit as basis for these Plans	Property Services	Staff time	N/A
2010/11	Roll out Energy Reduction Plans at two of the above buildings	Dependent on targets in the Plan	Property Services (partnership from Services in relevant buildings)	Financial resources and staff time dependent on projects	CO ₂ and financial savings dependent on projects
2011/12	Roll out Energy Reduction Plans at the remainder of the above buildings	Dependent on targets in the Plan	Property Services (partnership from Services in relevant buildings)	Financial resources and staff time dependent on projects	CO ₂ and financial savings dependent on projects
2012/13	Review effectiveness of Energy Reduction Plans	Will result in continual monitoring of actions and/or development and implementation of alternatives to ineffective projects	Property Services, Corporate Strategy	Staff time	N/A

Transport

Introduction

NI 185 allows us to collect accurate CO₂ emissions data so an inventory of emissions from key corporate operations can be determined. Collecting such data has shown that transport from both fleet and staff travel produced emissions of 1528.97 tCO₂ in 2008/09.

Lancaster City Council has established a number of initiatives to encourage more sustainable travel in recent years. As a Cycling Demonstration Town (CDT), Lancaster with Morecambe has demonstrated success in promoting sustainable forms of transport, including providing a number of pool bikes for staff use at several corporate buildings. City Council (Direct) Services (CC(D)S) provides fleet drivers with training on accident prevention which contains information on economical driving techniques, they have also fitted speed limiters to the larger vehicles and continue to run all diesel vehicles on a 5% bio-diesel mix.



As a result of the Climate Change Strategy, we initiated a Green Fleet Review with the Energy Saving Trust in 2008. To develop the Green Fleet Review the Energy Saving Trust uses data supplied by Lancaster City Council to build up a set of sustainable transport recommendations. These recommendations, which will be available later in 2009, will advise on practical ways to make fleet vehicles and staff travel (the grey fleet) more sustainable.

Lancaster City Council's Fleet Manager is keen to apply the recommendations of the Green Fleet Review to influence the future development of the Council fleet, whilst our Principal Accountant who manages PUMA, a system which records all staff travel, is eager to build the recommendations into the new electronic mileage system which should be rolled out in late 2009. Support for the delivery of the Green Fleet Review recommendations will be assured through continued commitment from Council services to the Climate Change Strategy and actions delivered through the One-to-One Support Programme.

Transport Actions Table

Year	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Gather information for, and input into, EST Green Fleet Review recommendations report	Gather and send off information by end of June 2009 Feed into recommendations report in mid-July 2009	Financial Services, CC(D)S, Corporate Strategy	Staff time	N/A
2009/10	Roll out Green Fleet Review recommendations	Full report received by end of August 2009 Begin roll out in September 2009	Financial Services, CC(D)S	Financial resources and staff time dependent on projects	CO ₂ savings total 99 tCO ₂ Financial savings not yet calculated
2010/11	Roll out Green Fleet Review recommendations	Continue roll out throughout 2010/11	Financial Services, CC(D)S	As above	As above
2011/12	Roll out Green Fleet Review recommendations	Continue roll out throughout 2011/12	Financial Services, CC(D)S	As above	As above
2012/13	Review effectiveness of Green Fleet Review actions	Will result in continual monitoring of actions and/or development and implementation of further projects	Financial Services, CC(D)S	Staff time	N/A

Waste

Introduction



In May 2007 Government set out its vision for sustainable waste management in its *Waste Strategy for England 2007*. One of its key objectives is to “put more emphasis on waste prevention and reuse”. The importance of waste management is further reflected in the *Lancashire Municipal Waste Management Strategy 2001-2020* which outlines a strategy for the management of waste Countywide.⁴

As a waste collection authority Lancaster City Council has an important part to play in providing an infrastructure to support the aims of the *Waste Strategy* and in setting a good example of waste minimisation to local businesses and organisations, encouraging their involvement in the Council run trade waste recycling scheme.

Lancaster City Council does not currently operate office recycling facilities within its buildings. Developing a culture of ‘zero waste’ in corporate buildings will allow the Council to take productive and positive steps to mitigate climate change. In practical terms, this means greatly reducing the amount of waste produced by the Council’s own activities through re-use and recycling. A Corporate recycling and waste minimisation initiative would work hand-in-hand with an Internal Climate Change Communications Plan (pp.24-25) to ensure the changing of attitudes towards waste within the context of climate change.

In addition, an events recycling and waste minimisation initiative would strengthen Lancaster City Council’s position as community leaders by encouraging those who use Corporate buildings for public and private functions to manage their waste reduction effectively.

In April 2008, Council agreed that, once the current supply ends, services should stop providing plastic carrier bags for use by the public in its outlets or promotions and would encourage local businesses to do the same. The Council also pledged to actively support PASS on Plastics, a campaign to reduce plastic pollution in Lancaster district by encouraging residents, businesses and visitors to reduce their plastic consumption. This will be reflected in both the corporate and events recycling and waste minimisation initiatives.

⁴ Lancashire County Council, *A Greener Strategy for a Greener Future: Lancashire’s Municipal Waste Management Strategy 2001-2020* (2001)

Waste Actions Table

Year	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Develop corporate recycling initiative	Utilising large outside bins at each site with mixed recycling bags in offices	CC(D)S, Property Services, Corporate Strategy	Staff time	N/A
2009/10	Roll out corporate recycling initiative	Unable to roll out at 38 Cable Street due to limited outside space	CC(D)S, Property Services	CC(D)S Trade Waste Collection	Financial savings from waste reduction
2010/11	Develop events recycling initiative	In response to concerns raised regarding disposable tableware and lack of recycling facilities for public events – to be considered in line with a review of room hire conditions	CC(D)S, Property Services, Corporate Strategy	Staff time	N/A
2010/11	Roll out events recycling initiative	Roll out throughout 2010/11	CC(D)S, Property Services, Corporate Strategy	Financial resources and staff time dependent on projects	Financial savings from Corporate waste reduction
2011/12	Plan and roll out enhancements to the above initiatives	Based on best practice NORMA (New Office Recycling and waste Minimisation Action) at Stockport Metropolitan Borough Council	CC(D)S, Property Services, Corporate Strategy	As above	As above
2012/13	Review effectiveness of both above initiatives	Will result in continual monitoring of actions and/or development and implementation of further projects	CC(D)S, Property Services	Staff time	N/A

Planning

Introduction

Planning guidance can have a great effect on NI 186 (per capita reduction in CO₂ emissions in the local authority area) through the promotion of sustainable development, renewable energy generation in homes and businesses and regulating land and building matters. Lancaster City Council already has in place its Local Development framework Core strategy which places sustainability at the heart of spatial planning for the district.

Lancaster City Council's Planning Services has actively encouraged engagement with the actions laid out in Year 1 of this Strategy. A 'Merton' type policy was adopted by the Regional Spatial Strategy in October 2008, which states that in developments over a set size, at least 10% of their predicted energy requirements should be obtained from decentralised and renewable or low-carbon sources. Such a policy is based on the 'Merton Rule'; a planning policy supported by central government. The extent and success of this will be reviewed as the council develops its LDF Development Management Policies.

Planning Services also continue to promote the principles of sustainable development to their staff and have advised on the potential for wind turbine installation at sites throughout Lancaster district, with the guidance of the Climate Change Cabinet Liaison Group.

The council employs a positive approach to delivering emission reductions, in particular in respect of proposals for renewable energy development at both micro and macro levels. Urban concentration policies direct new developments to sustainable locations with the maximum potential for sustainable modes of transport and shortest travel distances. Cycle and pedestrian infrastructures have been developed and work continues to develop further improvements.

Through their One-to-One-Support Programme, the Energy Saving Trust aim to provide recommendations on additional aspects of local planning we can engage with in relation to climate change. Lancaster City Council will assess and incorporate suitable recommendations into future practice through the Climate Change Action Plan.



Planning Actions Table

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Increase the percentage of renewable energy required in new developments	Can be achieved through increasing the percentage outlined in the Merton Rule – suggest 15%	Planning Services	Staff time	CO ₂ savings dependent on number of developments
2010/11	Advise on the potential for wind turbine installation at sites throughout the district	Sites to be suggested by the Climate Change Cabinet Liaison Group	Planning Services, Corporate Strategy	Staff time	N/A
2010/11	Conduct feasibility study to develop renewable technologies in suitable corporate buildings	Possible technologies include solar, wind and bio-mass	Planning Services, Property Services	Staff time	N/A
2011/12	Roll out renewable technologies in Corporate buildings identified	Suggest a site by site approach	Planning Services, Property Services	Financial resources and staff time dependent on technologies	CO ₂ and financial savings dependent on technologies
2012/13	Roll out renewable technologies in Corporate buildings identified	Continue roll out throughout 2012/13	Planning Services, Property Services	As above	As above

Sustainable Procurement

Introduction



Local Government in England spends in excess of £40 billion on capital projects and procurement each year. To ensure such money is spent responsibly and to the benefit of the country there is a strong business case to make procurement more sustainable in all branches of government.

Sustainable procurement, in short, means “using procurement to support wider social, economic and environmental objectives, in ways that offer real long-term benefits”.

The *Local Government Sustainable Procurement Strategy* published in November 2007 in response to *Procuring the Future*, a 2006 report by the UK Government’s Sustainable Procurement Task Force, and to the *UK Government Sustainable Procurement Action Plan*, outlined the benefits of sustainable procurement to local government. These benefits include financial savings, a reduction in CO₂ emissions, a strengthened local economy, joined-up working with the wider public sector and inspiring innovation from small businesses (SMEs) and third sector organisations (TSOs).

In *Procuring the Future* a Flexible Framework was published “to guide public sector leaders in the actions required to make sustainable procurement happen”. The Framework has 5 Levels enabling local authorities and other public sector organisations to assess the quality of their procurement activity and includes guidelines for when such Levels should be achieved. This will help shape procurement policy at Lancaster City Council.

Lancaster City Council is currently revising its Procurement Strategy which already includes sections on Sustainable Procurement and E-Procurement. An emphasis on sustainability will be promoted throughout the revised document which will highlight procurement issues such as Fairtrade and whole life costing as well as the social, environmental and economic benefits of sustainable procurement.

Procurement also forms an aspect of reporting under NI 185. Guidance for this National Indicator states that organisations who deliver an operation for the Council will now be required to provide figures relating to their mileage, so that relevant carbon emissions can be calculated. Future contracts should reflect this commitment, encouraging the procurement of services from organisations who are working to lower their own carbon emissions.

Sustainable Procurement Actions Table

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Publish and promote Procurement Strategy encompassing sustainable procurement	Initially a target for Year 1, this has been delayed	Financial Services	Staff time	N/A
2009/10	Amend supplier and service delivery contracts to reflect NI 185 requirements	NI 185 requires service providers to supply information on CO ₂ emissions from carrying out local authority operations	Financial Services with partnership from relevant Services	Staff time	May lead to lower CO ₂ emissions input into NI 185 spreadsheet
2010/11	Develop and circulate sustainability criteria to be included in specifications to suppliers	Criteria to include encouraging waste and resource minimisation, procuring local services, lowering CO ₂ emissions etc.	Financial Services	Staff time	N/A
2010/11	Roll out training on sustainable procurement to staff responsible for purchasing in each Services	To compliment Procurement Strategy	Financial Services, Human Resources	Cost of training depends on provider	N/A
2011/12	Continue to roll out training	To compliment Procurement Strategy	Financial Services, Human Resources	As above	As above
2012/13	Review effectiveness of Procurement Strategy in relation to the environmental impact of purchasing since publishing the Strategy	Will result in continual monitoring of actions and/or development and implementation of further projects	Financial Services	Staff time	N/A

Council & Strategic Housing

Introduction

Lancaster City Council's council housing already has a 'high' Standard Assessment Procedure (SAP) rating which means that the council housing stock is in the top quarter of Authorities. The SAP rating of 70 is targeted to increase year to 72 by March 2010 and then to 73 March 2013.

In the last 15 years Council Housing Services have made major improvements to the energy efficiency of the housing stock. In 1991 the Council approved an *Energy Strategy for Council Housing* resulting in a number of energy efficiency initiatives such as gas condensing boilers, boiler and pipe insulation, roof and cavity wall insulation and the provision of over 8,000 energy efficient light bulbs to tenants. Furthermore, approximately 80% of council housing in Lancaster district now benefits from double glazing.

Through National Indicator 187 (Tackling fuel poverty) both Strategic and Council Housing Services will continue to work hard to reduce fuel poverty. In addition, the EST One-to-One Support Programme will provide advice on how to tackle fuel poverty as well as energy efficiency in housing and local businesses through the Climate Change Action Plan.

In addition, consultation between Lancaster City Council and local council housing tenants has resulted in *The Lancaster Standard*, a document which advises tenants of the Decent Homes Standard and a 5 year and 30 year plan of when improvements will be made to their home.

Specific actions in respect of the council's housing stock to be completed over the life time of this strategy are :-

- Increase loft insulation in all council houses from 150mm to 270mm by March 2012
- Install double glazing in 88.5% of council housing by March 2013 (77% currently for 2009/10)
- Increase % of council houses with "A" rated boilers to 72% by March 2010 and then to 95% by March 2013

It is anticipated that these actions will see the council's overall SAP ratings increase from the current level of 70 to 73 by March 2013.

Council Housing Services have no control over their tenants' personal use of energy but they can offer guidance where relevant. In order to work with tenants to reduce their energy usage relevant Council Officers are trained in City & Guilds Energy Awareness. By the end of 2008, the training of six Estate Managers and two Maintenance Inspectors had successfully been completed. Furthermore, a bi-annual newsletter, entitled *Housing News*, is distributed to tenants which contains energy saving and sustainable living articles. Ways to expand on these programmes will be included in the One-to-One Support recommendations.



Council & Strategic Housing Actions Table

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Carry out Thermal Imaging Survey of buildings in areas of Lancaster district in conjunction with other Lancashire councils	Aim is to identify those buildings with the most ineffective insulation Survey of the urban cores of Morecambe, Lancaster and Carnforth in winter 2009	Corporate Strategy, Council Housing, Strategic Housing	£2,100 per district council Funding provided by Services responsible	N/A
2009/10	Support NI 187 (Tackling Fuel Poverty) Survey	A survey is to be undertaken by Lancashire County Council – all districts to contribute	Corporate Strategy, Strategic Housing	£1,000-£1,500 estimate for survey	CO ₂ savings rely on improving SAP ratings
2009/10	Investigate opportunities for CERT (Carbon Emissions Reduction Target) in Lancaster district	CERT – funding from energy suppliers for CO ₂ reduction measures in housing stock and private housing improvement (until March 2011)	Corporate Strategy	Staff time	N/A
2009/10	Continue programme to improve council housing stock	Loft insulation increased in all stock from 150mm to 270mm in 2 years Double glazing in 80% of council homes 72% of all council homes to be fitted with “A” rated boilers	Council Housing	Capital Programme	CO ₂ savings dependent on properties and installation rate
2010/11	Roll out CERT across district, if suitable	Dependent on suitability of using CERT	Corporate Strategy	Staff time	CO ₂ and financial savings dependent on CERT
2010/11	Develop and promote webpage to host results of Thermal Imaging Survey	Invite residents involved to view results and access funding/energy efficiency advice online – with partnership of EST	Corporate Strategy, Information & Customer Services	Staff time	N/A
2010/11	Proactively provide energy efficiency information to buildings with highest heat loss	Hard copy and email information sent to relevant households/businesses	Corporate Strategy, Council Housing, Strategic Housing, Economic Dev.	Staff time Minimal cost of postage	CO ₂ savings rely on buildings, which take up efficiency measures

Council & Strategic Housing Actions Table (continued)

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2010/11	Continue programme to improve council housing stock	Loft insulation increased in all stock from 150mm to 270mm in 2 years Double glazing in 82.5 % of council homes 80% of all council homes to be fitted with "A" rated boilers	Council Housing	Capital Programme	CO ₂ savings dependent on properties and installation rate
2011/12	Continue to provide information to buildings with highest heat loss	Hard copy and email information sent to relevant households/businesses	As above	As above	As above
2011/12	Continue programme to improve council housing stock	Double glazing in 86.5 % of council homes 87% of all council homes to be fitted with "A" rated boilers	Council Housing	Capital Programme	CO ₂ savings dependent on properties and installation rate
2012/13	Survey households and businesses for take up of year 3 energy efficiency measures	Hard copy and email surveys sent to relevant households/businesses	Council Housing, Strategic Housing	Staff time	N/A
2012/13	Continue programme to improve council housing stock	Double glazing in 88.5 % of council homes 95% of all council homes to be fitted with "A" rated boilers	Council Housing	Capital Programme	CO ₂ savings dependent on properties and installation rate

Adaptation

Introduction



Lancaster City Council's work on climate change adaptation is influenced by NI 188 (Planning to adapt to Climate Change) and the guidelines laid out by Defra.

NI 188 aims to ensure that the management of climate change risks and opportunities are embedded across decision making, services and planning. Progress is gauged against the following areas:

- Assessing the risks and opportunities comprehensively across the local authority area
- Taking action in any identified priority areas
- Developing an adaptation strategy and action plan setting out a risk assessment for priority areas – in consultation with partners where necessary – and outlining action to address these risks, including how they will be continually assessed and monitored
- Implementing, assessing and monitoring the actions on an ongoing basis.

This indicator has 5 levels (0-4), it is expected that local authorities will achieve each new level in a year. Lancaster City Council is working closely with national organisations, local partners and authorities

throughout Lancashire to ensure we reach our target to achieve Level 1 by the end of 2009/10. For more details, please see the Adaptation Action Table overleaf.

In addition the Council requires SUDS in all new development proposals and promotes the attenuation of water measures. Development in areas at risk of flooding are minimised and flood risks robustly managed. The council works very closely with the Environment Agency to deliver secure flood and coastal defences. The council is also responsible for the Environmental Appraisals on all major development projects and the sustainability & Strategic Environmental Appraisal of plans and policies.

As Spatial Planning and Infrastructure Planning develop, the council will develop a more co-ordinating role working with delivery partners such as Government Agencies, Infrastructure Partners, and Developers to ensure that new developments and infrastructure are as sustainable as possible.

Adaptation Actions Table

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Achieve NI 188 Level 1	<ul style="list-style-type: none"> • Make public commitment to address climate change <ul style="list-style-type: none"> • Undertake risk assessment of vulnerabilities/opportunities • Demonstrate understanding of gaps in existing strategies <ul style="list-style-type: none"> • Share potential vulnerabilities/opportunities in-house/with LDLSP <ul style="list-style-type: none"> • Outline steps to address vulnerabilities/opportunities 	Corporate Strategy with partnership from relevant Services	Staff time	N/A
2010/11	Achieve NI 188 Level 2	<ul style="list-style-type: none"> • Identify priority risks for Services • Identify adaptive responses - start incorporating in strategies etc. <ul style="list-style-type: none"> • Begin implementing adaptive responses in some priority areas • Work with LDLSP encouraging identification of vulnerabilities/opportunities that affect SCS 	Corporate Strategy with partnership from relevant Services	Financial resources and staff time dependent on adaptive responses	CO ₂ and financial savings dependent on adaptive responses
2011/12	Achieve NI 188 Level 3	<ul style="list-style-type: none"> • Embed climate impacts/risks across council decision making <ul style="list-style-type: none"> • Develop action plan to achieve council objectives in light of risks • Implement adaptive responses in all priority areas <ul style="list-style-type: none"> • Support LDLSP to manage wider district vulnerabilities/opportunities 	Corporate Strategy with partnership from relevant Services	As above	As above
2012/13	Achieve NI 188 Level 4	<ul style="list-style-type: none"> • Council & LDLSP implement action plans across district • Develop process for regular progress monitoring/review 	Corporate Strategy with partnership from relevant Services	As above	As above

Education & Awareness Raising

Introduction

Raising awareness of climate change amongst Lancaster City Council Officers and Members is key to encouraging positive action and the successful delivery of this Strategy.

The Carbon Trust Energy Audit suggested that raising awareness of climate change and providing staff with the tools to work and live more sustainably can save 80.1 tCO₂ and £13,008 at Lancaster City Council.

The Energy Saving Trust One-to-One Support Programme also focuses on staff awareness raising and will assist us in transforming the status of climate change from a perceived global issue over which we have limited control, to one which individuals can have a vast and positive effect on.

It is crucial that Members and Officers feel personally involved in the implementation of the Climate Change Strategy, working together to achieve its aims. Only with their support will the Council be able to provide leadership in addressing climate change issues. Funding of £20,000 has been allocated for both 2009/10 and 2010/11 to enact this Strategy, this will ensure that resources can be allocated to developing a variety of education and awareness raising initiatives.

It is important that encouragement is given to staff to ensure continued commitment to tackling climate change. In addition, a programme of educational rewards should be given to individuals or Services when targets are achieved and projects are successful. Such a programme will be developed in line with the Internal Climate Change Communications Plan referred to in the table overleaf.

Working with the Communications Team will be key to the success of this section of the Council's Climate Change Strategy.



Education & Awareness Actions Table

Date	Action	Further Information & Targets	Service Responsible	Resources Required	Potential savings
2008/09	<i>Year now complete, please see Appendix 1.</i>				
2009/10	Develop Internal Climate Change Communications Plan	Will make use of an action plan which may include Sustainability Champions, films/events, energy competitions, staff rewards, annual action for community leadership	Corporate Strategy	Staff time	N/A
2009/10	Roll out Internal Climate Change Communications Plan	Promote and begin rolling out the action plan	Corporate Strategy	Staff time Financed from the £20,000 pa budget 'Climate Change Implementation'	Carbon Trust Energy Audit suggested annual savings of 80.1 tCO ₂ and £13,008
2010/11	Roll out Internal Climate Change Communications Plan	Continue roll out throughout 2011/12	Corporate Strategy	As above	As above
2011/12	Review effectiveness of Internal Climate Change Communications Plan	Will result in continual monitoring of actions and/or development and implementation of further projects	Corporate Strategy	Staff time	N/A
2011/12	Explore potential for decentralising responsibility of climate change targets to individual Services	Review Middlesbrough Council's Carbon Reduction and Climate Adaptation (CRACA) Plan – best practice	Corporate Strategy	Staff time	N/A
2012/13	Roll out above initiatives, if relevant	Seek guidance from Middlesbrough Council and other Beacon Authorities	Corporate Strategy	Financial resources and staff time dependent on actions	CO ₂ and financial savings dependent on actions

Appendices

Appendix 1: 2008/09 Actions Update

This appendix serves to recap on the activity undertaken in Year 1 of this Strategy; 2008/09.

Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
Energy	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Property Services identified - meetings with Premises Manager undertaken but formal meeting with Head of Property Services and other staff not yet organised.	Corporate Strategy	On-going
	Establish a Sustainability Champion in each Service	Delayed due to Capacity issues in Corporate Strategy	Corporate Strategy	Move to Yr 2/3
	Undertake Energy Audit in Corporate buildings	An energy / carbon audit has now been completed for Lancaster and Morecambe Town Halls, the Old Fire Station and Salt Ayre Sports Centre. The Audit includes the calculation of basic carbon footprint for the year 1/7/07 to 30/6/08 including water, gas and electricity usage and staff travel (to and from work and business travel). Full report received.	Property Services	✓
	Continue to consider installation of powerPerfactor in a corporate building(s)	Device fitted in LTH Saturday, 17th January 2009	Property Services with lead from CCLG	✓
	Energy efficiency gains from emergency repairs to buildings	No progress - the current repair and maintenance budget is spent on servicing, emergency and reactive repairs	Property Services	Outstanding
	Establish baseline year for CO2 reduction benchmark. Set annual and 5 year period CO2 emission (or energy reduction) targets for corporate buildings.	Baseline year of 2008/9 agreed with Property Services (option 'a' in the IHCCS). Target setting requires completion of Energy Audit and release of targets by County. The Carbon Trust informs that the formula for the calculation of CO2 emissions has now changed. This will have a negative affect on setting targets for the future.	Property Services	✓

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
	Undertake feasibility study in to energy efficiency and renewable energies at Williamson Park	Three organisations (WOOSH Energy, Wind Direct & Partnership for Renewables) have been approached to find out if a large, commercial wind turbine is suitable for the Park. All have said no. Due to changing circumstances at Williamson Park it has been deemed unsuitable to look into other renewable technologies at present.	Corporate Strategy	X Not going ahead
	Communication campaign throughout the Council targeted at all staff to ensure personal energy saving procedures	Sustainability Coordinator and Communications Team undertaking internal communications campaign. Initial meeting took place in Dec 2008, project group to start meeting in April 2009. Need to incorporate recommendations of the Energy Audit.	Corporate Strategy inc. Comms	On-going
	Home working scheme encouraged in all Services	Ongoing through Access to Services but little progress to date	Property Services	Ongoing
	Services to share responsibility for energy reduction in properties. Encouraged through EDPA.	CO2 baseline target required so could not carry out in Yr1	Property Services	Move to Yr 2/3
Transport	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	CC(D)S, Planning (CDT) identified - JW to organise	Corporate Strategy	Ongoing
	Promote Lancaster City Council's Business Travel Plan	Business Travel Plan actions now included in other strategies- no specific capacity to support Business Travel planning at present	Corporate Strategy	X
	Continue promotion of cycling to staff as part of CDT status	Ongoing through CDT	Planning - CDT	Ongoing
	Continued training of fleet drivers on sustainable driving methods	Ongoing programme of driver assessment – Fleet Manager is in the process of introducing an NVQ qualification for all the Councils LGV drivers, a major part of which will concern safe and fuel efficient driving. Ongoing route planning / rescheduled routes but no intention to	CC(D)S	Ongoing

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
		purchase vehicle route planning software.		
	Investigate acquiring new low carbon vehicles for gradual inclusion in the fleet	Ongoing research of vehicles / new technology. All new / replacement vehicles are specified with latest technology engines (Euro iv but ideally Euro v).	CC(D)S	Ongoing
	Consult Energy Saving Trust to arrange free audit of fleet and advice on devising a 'Green Fleet Plan' (for business vehicle and CC(D)S fleet)	EST Green Fleet Review arranged. Information gathering is ongoing. The EST hope to develop the report in August 2009 which will provide recommendations for a more efficient fleet.	CC(D)S	✓
Waste	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	CC(D)S identified – Sustainability Coordinator to organise	Corporate Strategy	Ongoing
	Staff communication campaign to encourage change attitudes to office waste (W2 actiont refers)	Sustainability Coordinator and Communications Team undertaking internal communications campaign. Initial meeting took place in Dec 2008, project group to start meeting in April 2009. Programme would initially promote existing recycling facilities (cardboard from some buildings, paper, newspapers & magazines in all, plastic bottles at White Lund depot, batteries in some buildings, CC(D)S also recycles products from services (timber, metal, vegetable oil, green waste, highways waste)	Corporate Strategy inc. Comms	Ongoing
	Implement comprehensive Reuse/Recycling Scheme in corporate buildings in conjunction with W2 action	The Council already recycles, reuses and recovers materials used in many of its operations. These include paper, newspapers and magazines, batteries, ink cartridges, plastic bottles, cans, light tubes, computers, mobile phones, wood from felled trees, tyres, vehicle oil, green waste, furniture and white goods, timber, scrap metal, and waste from highways	Corporate Strategy	Deferred to year 2/3

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
		jobs. CC(D)S will have more capacity to progress office and kitchen waste recycling in Autumn (Oct/Nov) once roll out of phase 6 has been completed. Also requires support of Property Services and possibly additional resource (containers, additional collections). Explore resources with CC(D)S & Property Services when they visit CCLG		
	District communication campaign to raise awareness of Council's work to address climate change	Use YDCM when communicating to the district - article appeared in February 2009 issue	Corporate Strategy inc. Comms	Ongoing
	Intranet Database/Swapshop	Not a Yr 1 priority	Corporate Strategy	Move to Yr 2/3
Planning	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Planning identified - met with CCLG September 2008.	Corporate Strategy	✓
	Investigate implementation of the Merton Rule across all relevant planning applications	Merton type policy adopted through the Regional Spatial Strategy in Oct 2008 - it states that in developments over a certain size, at least 10% of their predicted energy requirements should be obtained from decentralised and renewable or low-carbon sources.	Planning	✓
	Continued promotion of sustainable development principles internally	Ongoing	Planning	Ongoing
	Advise on the potential for wind turbines installation at sites within the district	Sites previously suggested by CCLG (Williamson park, Stone Jetty, Battery Breakwater) all considered unsuitable by PFR but Middleton Woods site identified as suitable but other options currently being considered (contact Paul Rogers, Econ Dev) - PFR report received	Planning with lead from CCLG	✓ plus potential for further opportunities
Sustainable Procurement	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Financial Services identified – Sustainability Coordinator to organise	Corporate Strategy	On-going

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
	Develop revised Procurement Strategy (2008-2011) encompassing sustainable procurement	Revised Strategy is ongoing and meeting with Corporate Director (Finance & Performance) to review document due in February 2009 - target date for publication not yet set	Financial Services	Ongoing
	Staff communication campaign to encourage a market for recycled products and promote sustainable goods i.e. Fairtrade	Sustainability Coordinator and Communications Team undertaking internal communications campaign. Initial meeting took place in Dec 2008, project group to start meeting in April 2009.	Corporate Strategy inc. Comms	Ongoing
	District communication campaign to raise awareness of Council's work to address climate change	Use YDCM when communicating to the district - article appeared in February 2009 issue	Corporate Strategy inc. Comms	Ongoing
	Promote sustainable products and services and encourage a market for the same	Sustainable procurement policy launched and promoted (including sustainable training) in Summer 2007. Also, information on sustainable products to relevant Services continues to be provided by Financial Services	Financial Services	Ongoing
Council Housing	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Council Housing identified – Sustainability Coordinator to organise	Corporate Strategy	Ongoing
	Carry out a Thermal Imaging Survey of homes in the district to identify those with the most ineffective insulation	County Council co-ordinating a joint approach to this across Lancashire.	Council Housing	Deferred to 2009/10
	Ensure Housing News contains articles on sustainable living in each issue	On target. Ongoing liaison between Council Housing and Corporate Strategy to monitor and ensure each issue contains sustainable living articles. Generally one page on sustainability issues. Articles include promoting energy efficiency e.g. low energy light bulbs and tips to save energy and money, recycling e.g. Wheelie bins and recycling boxes, Bulky Matters and Furniture Matters, smart shopping, sustainable transport, Green Partnership Awards, Recycling Directory and allotments.	Council Housing	Ongoing

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
	Training of all staff in City & Guilds Energy Awareness or equivalent	On target for completion by end of 2008 (training for six Estate Managers and two Maintenance Inspectors)	Council Housing	Ongoing
	Regular monitoring of staff to ensure energy usage and waste reduction advice is shared with all tenants	Energy efficiency and waste recycling information is given to all new tenants as part of induction / sign up of new tenancies. Existing tenants receive information in Housing News etc. See CC Action plan ref no. H3.	Council Housing	Ongoing
Adaptation	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Ongoing - CC(D)S, Council Housing, Cultural Services, Ec Dev & Tourism, Health & Strategic Housing, Planning, Property Services identified – Sustainability Coordinator to organise (Planning already met with CCLG)	Corporate Strategy	Ongoing
	Continue to maintain and upgrade, where necessary, flooding and coastal defences as set out in Flood and Coastal Defence Policy (2004)	With the conclusion of Phase 7 the 2004 flood and coastal defence programme has now been completed, although continued sea level rise will result in need for further works. 'Strategic Flood Risk Assessment' commissioned - Provides guidance for developers on flood risk assessment	Planning	✓ plus potential for further opportunities
	Formation of a Climate Change Adaptation Team	This action has been replaced by NI 188 guidance - work to achieve NI 188 Level 1 is ongoing	Corporate Strategy	Ongoing
	Investigate effects to Council buildings and Services due to potential changes in climatic conditions	As above - an LCLIP (part of NI 118 Level 1) is currently being developed and will require discussions with Services	Corporate Strategy	Ongoing
Education & Awareness Raising	Relevant Services meet with Climate Change Cabinet Liaison Group to discuss implementation of current actions and investigate future goals and resource requirements	Services detailed above under Action 1 in each section	Corporate Strategy	Ongoing
	Press releases and articles in Council publications relating to the Council's work on climate change	Use YDCM when communicating to the district - article appeared in February 2009 issue. Press release to be developed regarding <i>powerPerfector</i>	Corporate Strategy inc. Comms	Ongoing
	Train a Sustainability Champion in each Service	Capacity issues in 2008/9. Delayed till 2009/10	Corporate Strategy	Move to Yr 2/3

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Section Title	Action	Progress/Comments	Service/ Group Responsible	Action Complete?
	Decentralised responsibility to Services	Not at suitable stage to carry out	Corporate Strategy	Move to Yr 2/3
	An internet awareness and education campaign	Sustainability Coordinator and Communications Team undertaking internal communications campaign. Initial meeting took place in Dec 2008, project group to start meeting in April 2009. Awaiting meeting of project group and launch of new LCC website before developing action further	Corporate Strategy inc. Comms	On-going
	A programme of consultation with staff and district residents	Not at suitable stage to carry out - await report on the potential of a district-wide strategy before carrying out	Corporate Strategy	Move to Yr 2/3
	Undertake symbolic actions to signal Lancaster City Council's work to mitigate and adapt to climate change	Lead to be taken by CCLG. Need to identify potential projects as the next step.	Climate Change Cabinet Liaison Group	On-going

Appendix 2: How the Climate Change Strategy Meets the Priorities of Lancaster District

This appendix outlines the priorities of the Lancaster District Local Strategic Partnership, Lancaster City Council and the Local Area Agreement to demonstrate how the actions of the Council's Climate Change Strategy assist the delivery of these priorities.

LDLSP Sustainable Community Strategy Priority	Lancaster City Council Corporate Plan Priority & Objective	Climate Change Strategy Action	National Indicator
<p>Health & Wellbeing: Increase the proportion of people who have a decent, affordable, warm, safe home</p>	<p>Clean and Green Places</p> <p>Objective 3: Develop local responses to climate change</p> <p>- Relates to Key Actions 3.1, 3.3, 3.5 -</p>	<p>Carry out Thermal Imaging Survey of buildings in areas of Lancaster district</p>	<p>NI 186 – Per capita reduction in CO2 emissions in the local authority area</p> <p>NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating</p>
		<p>Support NI 187 (Tackling Fuel Poverty) Survey</p>	<p>NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating</p>
		<p>Investigate opportunities for CERT (Carbon Emissions Reduction Target) in Lancaster district</p>	<p>NI 186 – Per capita reduction in CO2 emissions in the local authority area</p> <p>NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating</p>
		<p>Continue Programme to improve council housing stock</p>	<p>NI 186 – Per capita reduction in CO2 emissions in the local authority area</p> <p>NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating</p>
		<p>Roll out CERT across district, if suitable</p>	<p>NI 186 – Per capita reduction in CO2 emissions in the local authority area</p> <p>NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating</p>

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		Develop and promote webpage to host results of Thermal Imaging Survey	NI 186 – Per capita reduction in CO2 emissions in the local authority area NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating
		Proactively provide energy efficiency information to buildings with highest heat loss	NI 186 – Per capita reduction in CO2 emissions in the local authority area NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating
		Survey households and businesses for take up of year 3 energy efficiency measures	NI 186 – Per capita reduction in CO2 emissions in the local authority area NI 187 – Tackling fuel poverty; % of people receiving income based benefits living in homes with a low and high energy efficiency rating
Environment: To reduce our impact on and adapt to the consequences of climate change	Clean and Green Places Objective 3: Develop local responses to climate change - Relates to Key Actions 3.1, 3.2, 3.4 -	Roll out energy reduction programme at SASC	NI 185 – CO2 reduction from local authority operations
		Explore introducing energy optimisation software across all IT – roll out if suitable	NI 185 – CO2 reduction from local authority operations
		Develop Energy Reduction Plans for each Corporate Building	NI 185 – CO2 reduction from local authority operations
		Roll out Energy Reduction Plans at two of the above buildings	NI 185 – CO2 reduction from local authority operations
		Roll out Energy Reduction Plans at the remainder of the above buildings	NI 185 – CO2 reduction from local authority operations
		Review effectiveness of Energy Reduction Plans	NI 185 – CO2 reduction from local authority operations
		Increase the percentage of renewable energy required in new developments	NI 186 – Per capita reduction in CO2 emissions in the local authority area
		Advise on the potential for wind turbine installation at sites throughout the district	NI 186 – Per capita reduction in CO2 emissions in the local authority area
		Conduct feasibility study to develop renewable technologies in suitable corporate buildings	NI 185 – CO2 reduction from local authority operations
		Roll out renewable technologies in Corporate buildings identified	NI 185 – CO2 reduction from local authority operations

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		Publish and promote Procurement Strategy encompassing sustainable procurement	NI 185 – CO2 reduction from local authority operations
		Amend supplier and service delivery contracts to reflect NI 185 requirements	NI 185 – CO2 reduction from local authority operations
		Develop and circulate sustainability criteria to be included in specifications to suppliers	NI 185 – CO2 reduction from local authority operations
		Roll out training on sustainable procurement to staff responsible for purchasing in each Services	NI 185 – CO2 reduction from local authority operations
		Review effectiveness of Procurement Strategy in relation to the environmental impact of purchasing since publishing the Strategy	NI 185 – CO2 reduction from local authority operations
		Achieve NI 188 Level 1	NI 188 – Planning to adapt to climate change
		Achieve NI 188 Level 2	NI 188 – Planning to adapt to climate change
		Achieve NI 188 Level 3	NI 188 – Planning to adapt to climate change
		Achieve NI 188 Level 4	NI 188 – Planning to adapt to climate change
		Develop Internal Climate Change Communications Plan	NI 185 – CO2 reduction from local authority operations
		Roll out Internal Climate Change Communications Plan	NI 185 – CO2 reduction from local authority operations
		Review effectiveness of Internal Climate Change Communications Plan	NI 185 – CO2 reduction from local authority operations
		Explore potential for decentralising responsibility of climate change targets to individual Services	NI 185 – CO2 reduction from local authority operations
		Roll out above initiatives, if relevant	NI 185 – CO2 reduction from local authority operations
Environment: Protect and improve air, water and land quality and use resources sustainably with due regard to the interests of the wider community and the environment	Clean and Green Places Objective 2: Maintain the cleanliness of our streets and public spaces - Relates to Key Action	Develop corporate recycling initiative	Please note that although recycling will help Lancaster City Council reduce its CO ₂ emissions, the calculations of CO ₂ from waste are not yet included in the reporting requirements under NI 185
		Roll out corporate recycling initiative	
		Develop events recycling initiative	
		Roll out events recycling initiative	
		Plan and roll out enhancements to the above initiatives	
		Review effectiveness of both above	

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	2.1, 2.4 - Safe and Healthy Communities Objective 5: To contribute towards health improvement and reduce health inequalities through both the delivery of our own services and our work with partners - Relates to Key Action 5.1, 5.4 -	initiatives Roll out Green Fleet Review recommendations	NI 185 – CO2 reduction from local authority operations
Environment: Promote and enhance sustainable forms of transport and reduce private car use in urban areas throughout the district	Safe and Healthy Communities Objective 5: To contribute towards health improvement and reduce health inequalities through both the delivery of our own services and our work with partners - Relates to Key Action 5.1, 5.4 -	Gather information for, and input into, EST Green Fleet Review recommendations report	NI 185 – CO2 reduction from local authority operations
		Roll out Green Fleet Review recommendations	NI 185 – CO2 reduction from local authority operations
		Review effectiveness of Green Fleet Review actions	NI 185 – CO2 reduction from local authority operations

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Appendix 3: Climate Change Strategy Actions Resources and Savings

This appendix lays out the actions of the In-House Climate Change Strategy by year, from the date of this refresh, in relation to the resources required and the potential savings to be made.

<u>2009/2010</u>		
Action	Resources Required	Potential Savings
Energy - Roll out energy reduction programme at SASC	Estimated £29,163	£241,240 over 5 years CO ₂ savings not yet calculated
Transport – Gather information for, and input into, EST Green Fleet review recommendations report	Staff time	N/A
Transport – Roll out Green Fleet review recommendations	Financial resources and staff time dependent on projects	CO ₂ savings total 99 tCO ₂ Financial savings not yet calculated
Waste – Develop corporate recycling initiative	Staff time	N/A
Waste – Roll out corporate recycling initiative	CC(D)S Trade Waste Collection	Financial savings from waste reduction
Planning – Increase the percentage of renewable energy required in new developments	Staff time	CO ₂ savings dependent on number of developments
Sustainable Procurement - Publish and promote Procurement Strategy encompassing sustainable procurement	Staff time	N/A
Sustainable Procurement – Amend supplier and service delivery contracts to reflect NI185 requirements	Staff time	May lead to lower CO ₂ emissions input into NI185 spreadsheet
Council & Strategic Housing – Carry out Thermal Imaging Survey of buildings in areas of Lancaster district in conjunction with county council	£2,100 Funding provided by Services responsible	N/A
Council & Strategic Housing – Support NI187 (Tackling Fuel Poverty) Survey	£1000-£1,500 Estimate for survey	CO ₂ dependent on improving SAP ratings

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Council & Strategic Housing – Investigate opportunities for CERT (Carbon Emissions Reduction Target) in Lancaster district	Staff time	N/A
Council & Strategic Housing – Continue programme to improve housing stock	Capital programme	CO ₂ savings dependent on properties and installation rate
Adaptation – Achieve NI188 Level 1	Staff time	N/A
Education & Awareness – Develop Internal Climate Change Communications Plan	Staff time	N/A
Education & Awareness – Roll out internal Climate Change Communications Plan	Staff time plus financing from the agreed £20,000 pa budget ‘Climate Change Implementation’	Carbon Trust Energy Audit suggested annual savings of 80.1 tCO ₂ and £13,008
<u>2010/2011</u>		
Action	Resources Required	Potential Savings
Energy – Explore introducing energy optimisation software across all IT – roll out if suitable	Finance and staff time dependent on software chosen	CO ₂ and financial savings dependent on software chosen
Energy – Develop Energy Reduction Plans for each Corporate Building	Staff time	N/A
Energy – Roll out Energy Reduction Plans at two of the above buildings	Financial resources and staff time dependent on projects using £20,000 agreed budget	CO ₂ and financial savings dependent on projects
Transport – Roll out Green Fleet Review recommendations	Financial resources and staff time dependent on projects using £20,000 agreed budget	CO ₂ savings total 99 tCO ₂ Financial savings not yet calculated
Waste – Develop events recycling initiatives	Staff time	N/A
Waste – Roll our events recycling initiative	Financial resources and staff time dependent on projects using £20,000 agreed budget	Financial savings from Corporate waste reduction
Planning – Advise on the potential for wind turbine installation at sites throughout the district	Staff time	N/A
Planning – Conduct feasibility study to develop renewable technologies in suitable corporate	Staff time	N/A

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buildings		
Sustainable Procurement - Develop and circulate sustainability criteria to be included in specifications to suppliers	Staff time	N/A
Sustainable Procurement – Roll out training on sustainable procurement to staff responsible for purchasing in each Services	Cost of training depends on provider	N/A
Council & Strategic Housing – Roll out CERT across district, if suitable	Staff time	CO ₂ and financial savings dependent on CERT
Council & Strategic Housing – Develop and promote webpage to host results of Thermal Imaging Survey	Staff time	N/A
Council & Strategic Housing – Proactively provide energy efficiency information to buildings with highest heat loss	Staff time Minimal cost of postage	CO ₂ savings dependent on buildings, which take up efficiency measures
Council & Strategic Housing – Continue programme to improve housing stock	Capital programme	CO ₂ savings dependent on properties and installation rate
Adaptation – Achieve NI188 Level 2	Financial resources and staff time dependent on adaptive responses using £20,000 agreed budget	CO ₂ and financial savings dependent on adaptive responses
Education & Awareness – Roll out Internal Climate Change Communications Plan	Financial resources and staff time dependent on projects using £20,000 agreed budget	Carbon Trust Energy Audit suggested annual savings of 80.1 tCO ₂ and £13,008
<u>2011/12</u>		
Action	Resources Required	Potential Savings
Energy - Roll out energy Reduction Plans at the remainder of the above buildings	Financial resources and staff time dependent on projects	CO ₂ and financial savings dependent on projects
Transport – Roll out Green Fleet Review recommendations	Financial resources and staff time dependent on projects Staff time	CO ₂ savings total 99 tCO ₂ Financial savings, not yet calculated
Waste – Plan and roll out enhancements to the	Financial resources and staff time	Financial savings from Corporate waste reduction

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above initiatives	dependent on projects	
Planning – Roll out renewable technologies in Corporate buildings identified	Financial resources and staff time dependent on technologies	CO ₂ and financial savings dependent on technologies
Sustainable Procurement - Continue to roll out training	Cost of training depends on provider	N/A
Council & Strategic Housing – Continue to provide information to buildings with highest heat loss	Staff time Minimal cost of postage	CO ₂ savings dependent on buildings, which take up efficiency measures
Council & Strategic Housing – Continue programme to improve housing stock	Capital programme	CO ₂ savings dependent on properties and installation rate
Adaptation – Achieve NI188 Level 3	Financial resources and staff time dependent on adaptive responses	CO ₂ and financial savings dependent on adaptive resources
Education & Awareness – Review effectiveness of Internal Climate Change Communications Plan	Staff time	N/A
Education & Awareness – Explore potential for decentralising responsibility of climate change targets to individual Services	Staff time	N/A
<u>2012/13</u>		
Action	Resources Required	Potential Savings
Energy – Review effectiveness of Energy Reduction Plans	Staff time	N/A
Transport – Review effectiveness of Green Fleet Review actions	Staff time	N/A
Waste – Review effectiveness of both initiatives	Staff time	N/A
Planning – Roll out renewable technologies in Corporate buildings identified	Financial resources and staff time dependent on technologies	CO ₂ and financial savings dependent on technologies
Sustainable Procurement - Review effectiveness of Procurement Strategy in relation to the	Staff time	N/A

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environmental impact of purchasing since publishing the Strategy		
Council & Strategic Housing – Survey households and businesses for take up of year 3 energy efficiency measures	Staff time	N/A
Council & Strategic Housing – Continue programme to improve housing stock	Capital programme	CO ₂ savings dependent on properties and installation rate
Adaptation – Achieve NI188 Level 4	Financial resources and staff time dependent on adaptive responses	CO ₂ and financial savings dependent on adaptive resources
Education & Awareness – Roll out potential for decentralising responsibility of climate change targets to individual Services	Financial resources and staff time dependent on actions	CO ₂ and financial savings dependent on actions

Appendix 4: Estimated Carbon Reduction Targets for 2010/11

In order to reduce carbon emissions from our buildings and transport by 34% by 2020, leading to 80% by 2050, it is anticipated that detailed CO₂ reduction targets for each corporate building and internal transport sector will be built into the 2010/11 refresh of this Strategy. Such targets will result in greater responsibility for Services to work together in their locations to reduce their energy use.

In order to prepare Services for this, an estimation of CO₂ savings required for 2010/11 is given below based on a saving of 3.4% (approximately 156 tCO₂). Such figures will be checked and formalised during the future refresh of this Strategy.

Corporate Area	Details	Estimated target reduction in CO₂ emissions per year (tCO₂)
Buildings	Salt Ayre Sports Centre	55
	Lancaster Town Hall	13
	Low Staff/Unstaffed Locations (incl. The Platform, TICs, public toilets, bus station etc.)	9
	Morecambe Town Hall	5
	White Lund Depot	5
	Old Fire Station	5
	Palatine Hall	4
	Cable Street	2
	Ryelands House	2
Transport	Council Fleet	52
	Grey Fleet (Staff Travel)	4