

Lancashire Climate Change Strategy

Annual Progress Report: 2009-2010

1. Background

The Lancashire Climate Change Partnership was established, and the resultant Lancashire Change Strategy developed, in response to the 2006 Local Government White Paper, *Strong and Prosperous Communities*, which placed a duty on local authorities to "lead their communities on climate change".

The Strategy was launched in April 2009 and sets out Lancashire's target to cut carbon emissions by 30% by 2020 under four key sectors: domestic (including energy & waste), transport, business (including the EU Emissions Trading Scheme, public sector & energy) and natural environment & land use, as well as our objectives for adapting to the consequences of a changing climate. The Strategy can be downloaded from:

www.lancashire.gov.uk/corporate/web/view.asp?siteid=3945&pageid=25809&e=e

The Partnership committed to provide annual progress reports on the delivery of the Strategy. This is the first of its kind and sets out progress during 2009/2010 in terms of:

- Partnership development
- Changes to policy
- Measures of Progress:
 - Best available indicators of performance
 - Activity report

2. The Partnership

The Lancashire Climate Change Partnership was first established in 2007 and has continued to grow ever since, there are now over 50 organisations signed up as Partners. As well as delivering the Lancashire Climate Change Strategy, the Partnership, or a relevant subgroup, provides the lead on the four climate change related indicators contained within the national performance framework:

- CO₂ reduction from local authority operations (NI185),
- Per capita CO₂ emissions in the LA area (NI186),
- Tackling Fuel Poverty - % of people receiving income based benefits living in homes with a low energy efficiency rating (NI187)
- Adapting to climate change (NI188)

At the launch of the Strategy, the Partnership agreed 4 priority strategic actions for 2009-10. Progress on each of the 4 is outlined here.

1. Revise current 30% targets to reflect the expected tightening of national greenhouse gas targets for 2020, and inclusion of additional greenhouse gases other than carbon dioxide. Work alongside 4-NW to revisit research regarding this.

This report outlines proposals for the revision of the original targets. 4-NW has recently initiated a review of the regional study on the potential CO₂ savings

achievable in the North West which informed the Lancashire Strategy and the Climate Change Partnership has already been engaged in this. However, as set out in its original scope, the study will only consider potential savings in CO₂, rather than the full basket of greenhouse gas emissions.

2. *Continue to monitor the database of existing actions.*

Activity is currently being monitored on an annual basis through the completion of an activity reporting template completed by all partners (a summary for 2009-10 is attached at Appendix B).

3. *Assess gaps in delivery and develop new actions to achieve the expected tightened targets.*

This report makes a brief assessment of where there are gaps in current delivery, or where future challenges may lie. It is anticipated that this will be used to inform action planning at a local level for 2010-11 for all partners. The Lancashire Partnership Climate Change Big Ticket Process has also identified a number of gaps in delivery that could be addressed at a county level. Projects are currently being developed around:

- Fuel Poverty Referral Project
- Low Cost Home Insulation Project
- SME Resource Efficiency Project
- Spatial Planning Project

4. *On adapting to climate change, we need to develop an understanding of UK Climate Projections scenarios (when published in Spring 2009) and identify the impacts and responses for Lancashire to more frequent and extreme weather events.*

The UK Climate Projections were launched in October 2009, work is currently ongoing to analyse the data and present the Lancashire projections. An assessment of impacts and vulnerabilities is also underway as part of the LAA target (NI188).

In addition to delivering the strategic priorities, a number of actions have also been taken over the last year to strengthen the Partnership:

- A Steering Group of senior level representatives has been established to oversee strategy delivery and to drive ownership at a senior level. The group is chaired by the Environment Agency's Manager for Lancashire and Cumbria
- A delivery mechanism for carbon reduction measures on three levels has been agreed – organisational commitment, thematic groups and processes (e.g. the Lancashire Home Energy Officers Group and refresh of the Local Transport Plan) and Local Strategic Partnerships (LSPs). The Structure is outlined at Appendix A.
- Engagement with LSPs has been stepped up to encourage the development of local delivery plans.
- The Lancashire Climate Change Partnership has played a key role in identifying the scope for the Climate Change Big Ticket Issue as part of the Lancashire Partnership's Strategic Delivery Framework.

3. Policy Context

Since the introduction of Lancashire's Climate Change Strategy in April 2009, the Government has revised the carbon emissions reduction target for 2020, laid out in the Climate Change Act 2008, and it now stands at 34%. It had been suggested that the 2020 target would be further strengthened to a 42% reduction following an international agreement at Copenhagen. However, failure there means that the UK is currently still working to the 34% target.

There has also been a range of other policy measures introduced over the last twelve months including the publication of the Low Carbon Transition Plan in July 2009 which highlights how Britain will become a low carbon economy and focuses on cutting emissions, maintaining secure energy supplies, maximising economic opportunities and protecting the most vulnerable. The plan is supported by three other documents: The Renewable Energy Strategy, The Low Carbon Transport Strategy and The Low Carbon Industrial Strategy.

In conjunction with this the Government has just released 'Warm Homes, Greener Homes: A Strategy for Household Energy Management,' a timely introduction with the Carbon Emissions Reduction Target (CERT) due to extend in 2012. It sets out the strategy to help people make their homes more comfortable in winter, reduce their energy use and increase their use of small scale renewable and low carbon sources of energy. It presents a vision for what domestic energy management will look like in 2020 and indicates that the rate of energy efficient installations will have to increase.

4. Measuring Progress

Measuring progress against the Strategy objectives is hindered by the lack of timely data on CO₂ emissions and the difficulty in quantifying CO₂ savings from specific local projects. As a result this report highlights performance as far as is possible using the best available data along with a complementary activity report for 2009/10.

4.1 Indicators of Performance

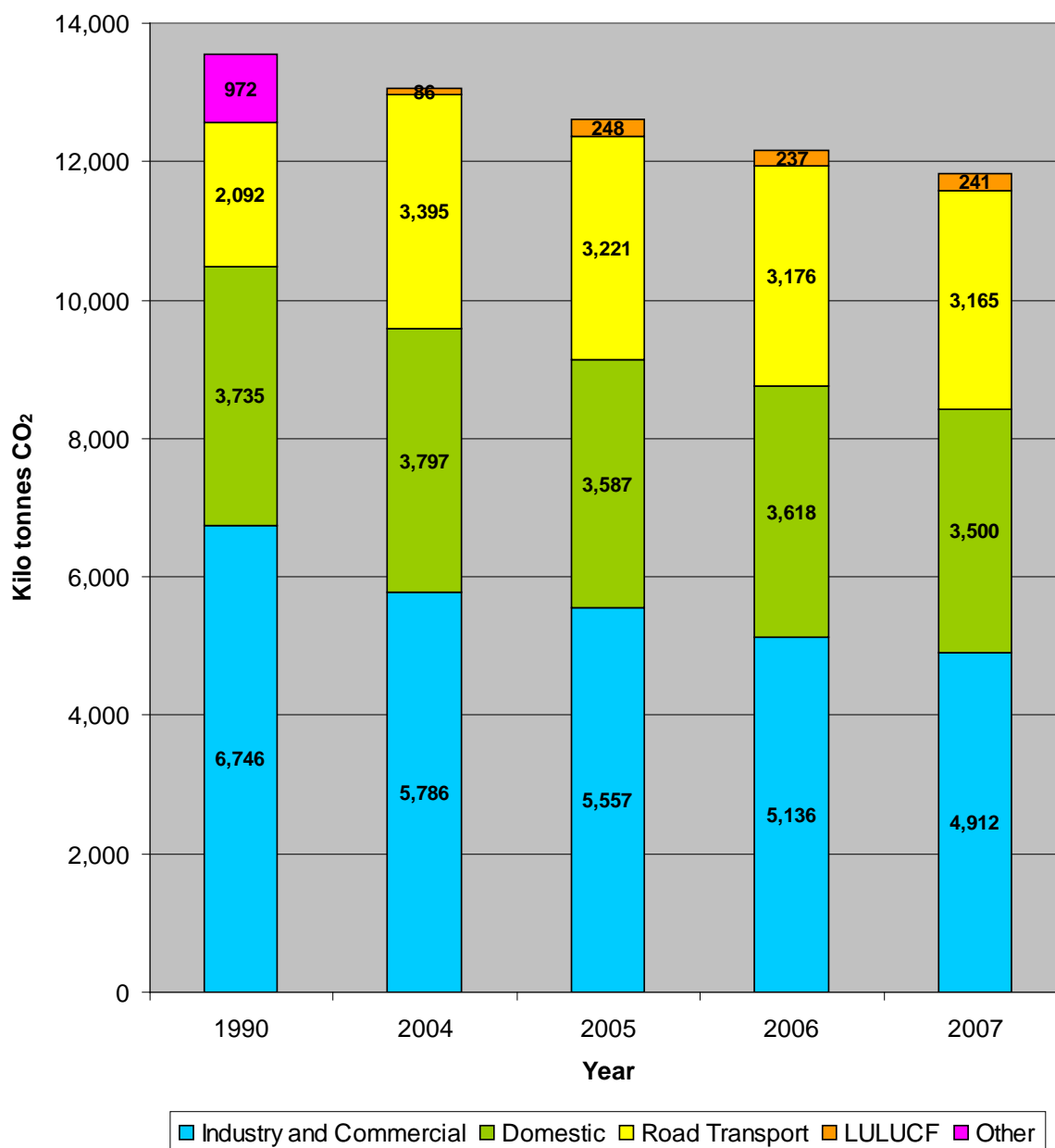
Carbon Dioxide Emissions

Data measurement of CO₂ emissions relies on government produced statistics to measure end user carbon dioxide emissions in the local area from business and public sector, domestic housing and road transport. However, there are a number of problems with CO₂ data, not least the fact that it is always 2 years out of date, which makes it difficult to monitor performance.

2007 emissions data was released by the Department for Energy & Climate Change (DECC) in September 2009 (and revised again in November 2009). These figures put Lancashire's emissions at 11,819 ktCO₂, **a reduction in emissions of 12.74% from the 1990 baseline** (13,545 ktCO₂). However, due to the lack of data prior to 2004 it's impossible to speculate when emissions were at their highest or at what point they began to decrease. 2008 data is expected in September 2010.

Total CO₂ Emissions 1990-2007

Year	1990	2004	2005	2006	2007
(KtCO ₂)	13,545	13,064	12,614	12,166	11,819

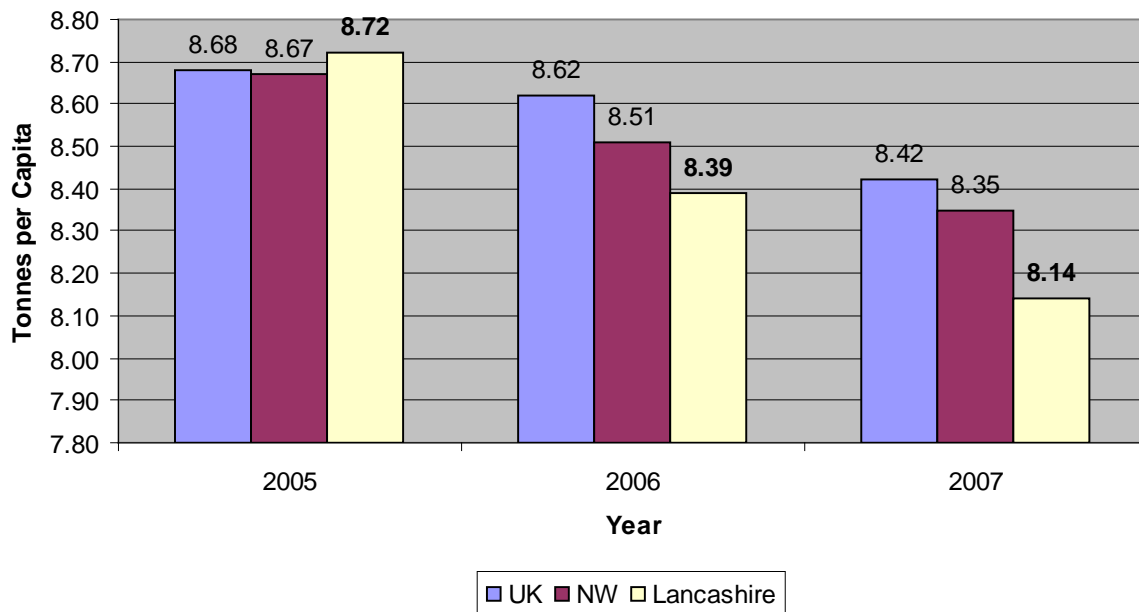


1990 – Northwest Energy & Emissions Greenhouse Gas Inventory, Issue 3.2, January 2009

2004 – Experimental Statistics on CO₂ emissions, Defra, 2004

2005-2007 – National statistics on CO₂, DECC November 2009

Emissions Per Capita



Per capita emissions over the three years of comparable data (2005-2007) show that Lancashire's emissions started at a higher rate than both the UK and Northwest, but per capita emissions for 2006 and 2007 are now lower than both the UK and NW.

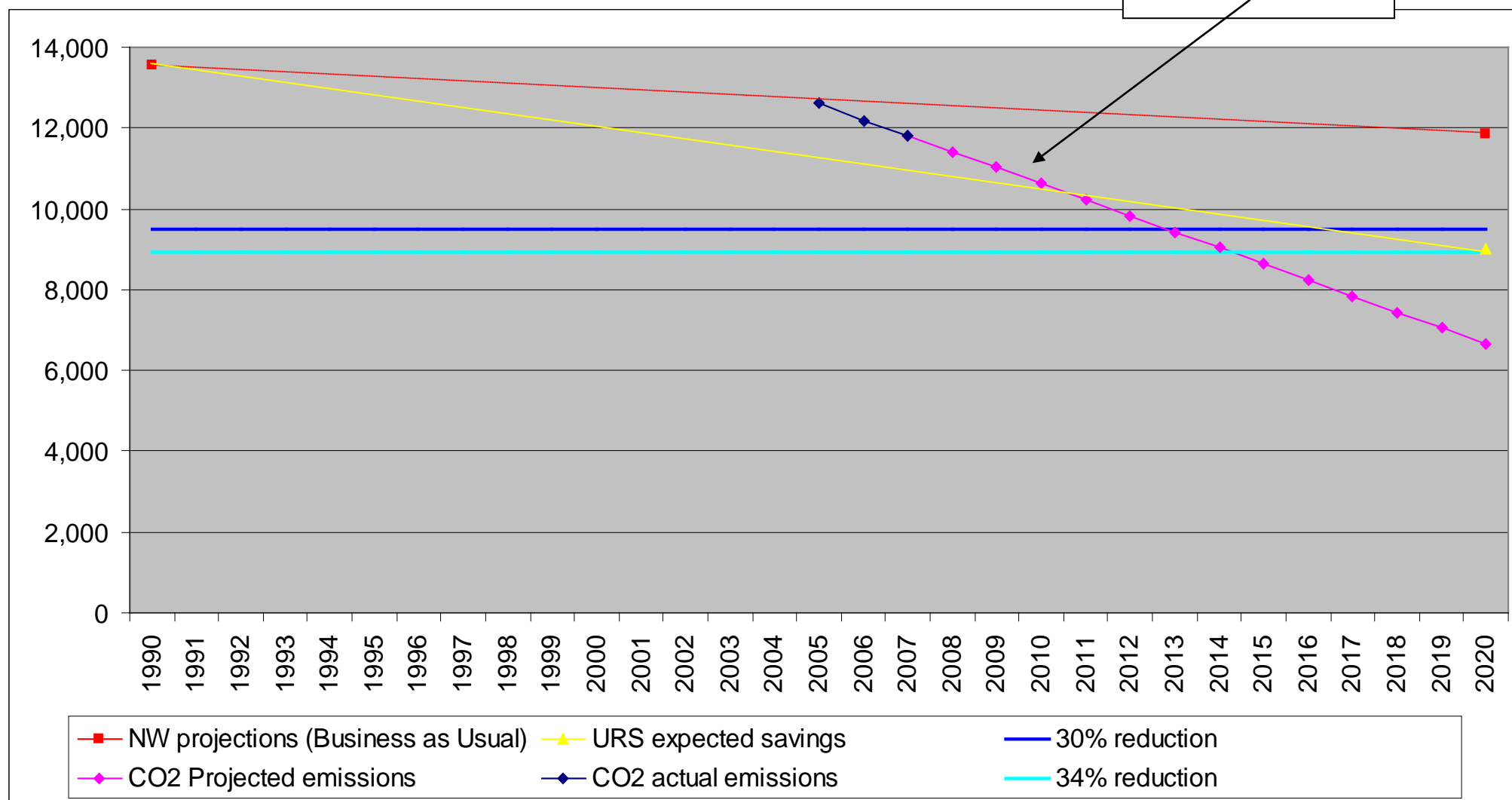
Assessing future performance using carbon emissions data

The best estimate we can make of current and future performance is to 'project' the only comparable DECC data we have (2005 to 2007) along a time line to 2020. The *average* annual savings during these 3 years was 397.5ktCO₂. If savings continue to be made at this rate, which is probably unlikely, over the next 13 years (2007-2020) savings of 5,167.11ktCO₂ will have been achieved, putting our 2020 emissions total at: 6,651.11ktCO₂ – a 50.90% reduction on the 1990 baseline - *This is simply an estimate based on only 3 years of data and assuming that the current rate of savings will be maintained, there is no increase in emissions and is independent of external influences.*

Lancashire also played a key role in the regional study on the potential CO₂ savings achievable in the North West and this research underpins the current Climate Change Strategy. Based on the latest 1990 baseline data, the study estimates that Lancashire could expect to make a 33.35% reduction from the 1990 baseline by 2020 from existing and planned national, regional and local measures. It needs to be noted that this regional study is currently being updated so this reduction figure of 33% may change (potentially upwards, given new national programmes).

When using past carbon emissions savings (from 2005 to 2007) to project likely future savings, a reduction of 50.90% by 2020 from 1990 levels is forecast. The North West regional study, based on an assessment of existing and future activity does, however, currently suggests a 33% reduction. It is perhaps reasonable that all we can predict is that our 2020 performance is likely to be somewhere between the two (33 - 51%).

CO₂ Emissions – actual and projected (Including URS data & Business as Usual)



All trends illustrated as line

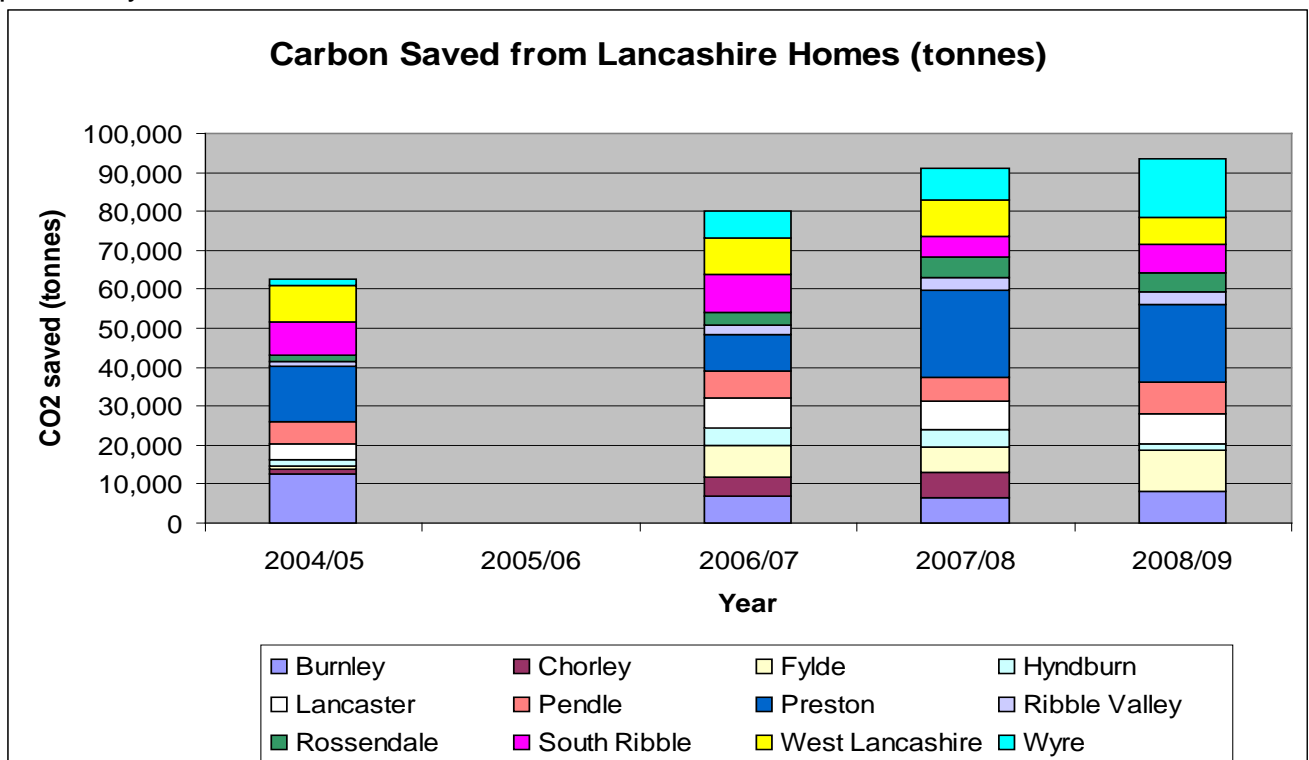
The Climate Change Partnership recommends that the Lancashire target to reduce CO₂ emissions by 30% by 2020 (on 1990 baseline) should be increased initially to 34% to reflect the national target.

A further 'stretch' target on top of this should then be considered after the publication of the updated 2008 regional study into the potential for carbon savings in the Northwest (Autumn 2010) and 2008 DECC CO₂ emissions data has been released.

Assessing Performance using other indicators

As the government statistics on CO₂ are not current, a number of other indicators have been identified which can be used to gauge progress:

i. CO₂ Savings from Domestic Energy Measures – District councils currently record the carbon saved from Lancashire homes due to the installation of domestic energy saving measures and appliances, and small scale renewables. Although there is a gap in the information for 2005/06, performance since then suggests a steady rise in carbon saved from installed measures each year, although it is recognised that more data is now captured from the utility companies that was previously missed.



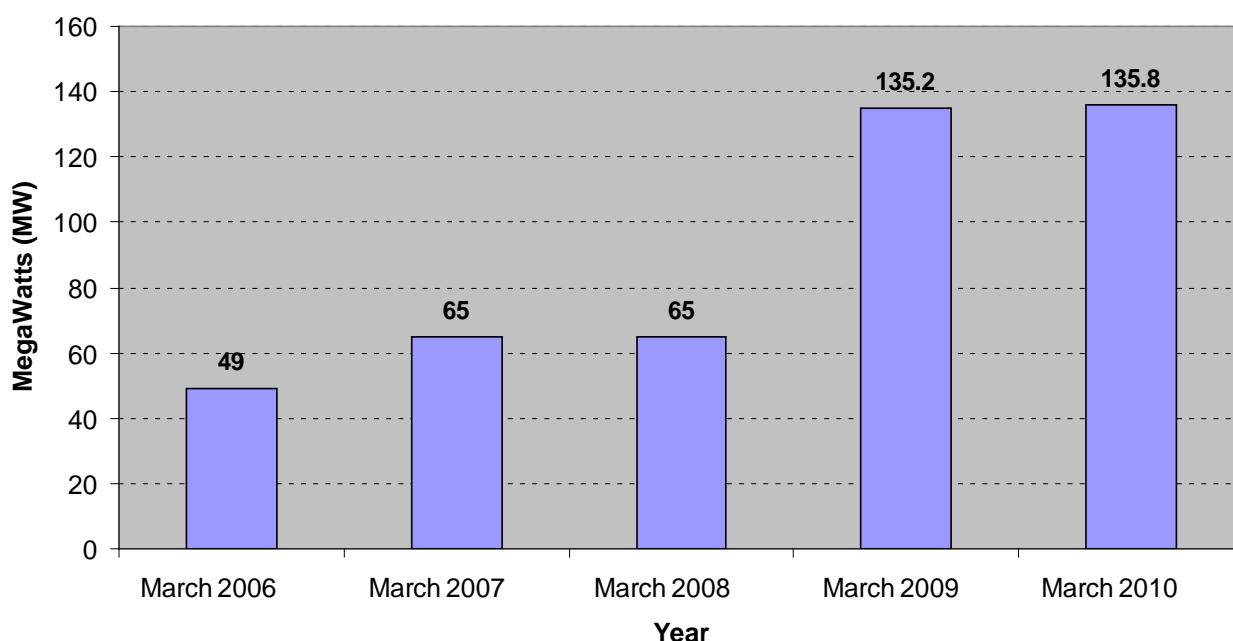
ii. CO₂ Saved from Business Resource Efficiency programmes - Between June 2004 and March 2009 13.6 kilotonnes of CO₂ was saved in Lancashire (including Blackburn & Blackpool) through the ENWORKS business support programme delivered by the Lancashire Business Environment Association. It is hoped in the

future this data will be available annually and possibly by district, to provide a better indication of performance in future annual reports.

iv. CO₂ saved from local authority operations (NI185) – Local authorities reported their baseline CO₂ emissions for 2008/09 in July 2009, and are due to report their first year progress in July 2010. This will be used as an indicator in future performance reports, along with the progress of other organisations who have Carbon Management Plans in place but who don't report on NI185.

v. Renewable Energy – The installation of onshore renewable energy schemes over 1 megawatt (MW) in Lancashire is monitored annually, however, there are no figures for levels of micro-generation installed. In March 2010 the figure stood at 135.8MW, a large increase in installed capacity in 2009 can be attributed to the Scout Moor Wind Farm becoming operational, however figures have remained relatively stable since then. A number of renewable energy schemes which have secured planning permission but are not yet operational could add a further 20.3MW and a further five on shore wind proposals at the planning application stage have the potential to add 94.1MW in the future.

Onshore Installed Renewable Energy Capacity

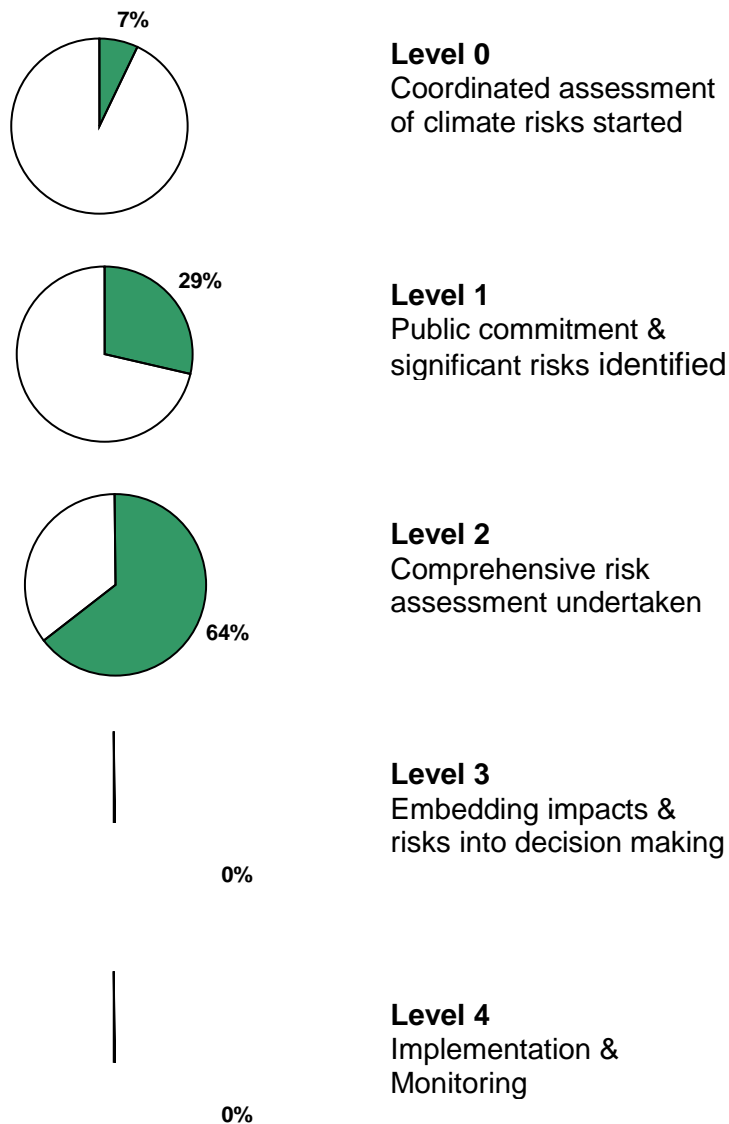


vi. Climate Change Adaptation

All Local Strategic Partnership's are working to ensure local authority preparedness, manage risks to individuals, communities and businesses from a changing climate, and to make the most of new opportunities. Performance against this can be monitored by reporting the level of preparedness against the 5 levels of performance (graded 0-4) set out under NI188. All 15 LSPs in Lancashire have initiated work and at the end of 2008/09 were either at the entry level (Level 0) or had achieved the next step of Level 1. Work has progressed during 2009/10, with only 1 LSP remaining at Level 0 (though actions are in place to assist with delivery) and the majority having

achieved the target of Level 2 by the end of March 2010. While the indicator monitors the performance of LSPs, a number of other organisations in Lancashire are working on climate change resilience from an organisational perspective, the Lancashire Fire & Rescue Service, for example, has also achieved Level 2 and the Environment Agency is undertaking county-wide work on assisting communities to adapt, particularly in terms of flood risk.

% of Lancashire LSPs achieving National Indicator NI188 (2009/10)



4.2 Activity Reporting

Given the limitations of the available data in reporting performance, Partners have submitted information on their activity during 2009/10 identifying, *where possible*, any carbon saved from projects or any other indicators of success.

A detailed summary of all activity is provided at Appendix B under the five key headings of the Strategy; domestic energy use, business & public sector, land use/natural environment and adaptation. A quick analysis of the activity report identifies some highlights and key achievements (a few examples have been picked out here), but also some common barriers to delivery and/or challenges for the future:

Domestic Energy

Highlights & Key Achievements:

- All district councils are offering energy efficiency schemes for homes in their area including loan and contribution to schemes. Support is being offered for measures such as loft insulation, cavity wall insulation and boiler/heating system replacements.
- Aerial thermal image survey of all households in urban and suburban areas of the county being carried out.
- Fylde Borough Council is using thermal imaging surveys (57 households). They have also run a 'Greening your Victorian Home' event (attended by 82 delegates) and an Eco Schools Conference (attended by 16 schools).
- Lancashire County Council is running an energy monitor loan scheme through the libraries (584 loans May-Oct 2009). Preston City Council is sending Real Time Electricity Monitors out to residents.
- Wyre Borough Council has included energy efficiency information in Council Tax mailings & 98,000 North Lancs Flu jab mailings contained energy efficiency information.
- South Ribble Borough Council has a thermal solar scheme in place.
- Burnley and Pendle employ dedicated Home Energy Officers to provide one to one advice and information for residents. Burnley and Pendle councils are also working with Lancashire County Council on a Fuel Poverty Referral Pilot where social services staff refer services users living in fuel poverty. They are also providing fuel poverty awareness training for all public services.

Barriers & Challenges:

- Finding new ways to target fuel poor households.
- Hard to treat homes, in particular the high number of solid wall properties in some areas and problems with the suitability of lofts for insulation measures.
- Limited funding to develop successful schemes for home improvements & specifically funding for heating improvement schemes. The longevity of loft insulation schemes is dependent on identifying funding sources.
- Encouraging residents to take up grants, the client contribution required is often too much for some schemes and home owners don't want to pay for insulation.
- Insufficient staffing and funding to cope with the number of enquiries to the Home Energy Officers, the Fuel Poverty Referral pilot is dependent on the capacity of Energy Officers to respond to referrals.

- Delays with the Warm Front grant.
- Finding the best way to complete thermal imaging surveys.
- Identifying properties which meet certain standards and identifying willing landlords.
- Continued funding to carry out home safety checks (LFRS)
- Engagement with RSLs and homeowners.
- Poor reputation of energy saving bulbs.
- Staff resources, promotion of schemes, education and awareness.

Summary - Work to reduce domestic emissions is progressing well, with all districts offering energy efficiency schemes of some kind. A key challenge for the future is addressing the large number of 'hard to treat homes' in the county, along with the private rented and able-to-pay sector.

Transport

Highlights & Key Achievements:

- All local authorities are contributing to the development of LTP3
- Implementation of the Blackpool to Fleetwood Tramway upgrade
- A new high quality bus station for Rawtenstall and an ecorail staion for Accrington, both in development
- Burnley Borough Council, Fylde Borough Council, Preston City Council, Lancashire County Council and Lancashire Fire and Rescue Service are running bike to work schemes for staff.
- The Environment Agency is aiming to reduce emissions through fleet management and reducing business mileage
- The construction of Accrington Eco railway station is underway, along with the development of a station travel plan (due to open summer 2010)
- Lancashire County Council & Blackpool Council are upgrading the Blackpool-Fleetwood tramway; a major scheme costing £110m; 16 new trams, new track and stops (due to open spring 2012)
- Lancashire County Council provides school travel plans, pedestrian priority improvements
- New cycle routes are being established in the county, for example, between Ansdell and St Annes in Fylde and the Guild Wheel, a 21 mile circular cycle route of Preston.
- Pendle Borough Council has introduced greener fleet vehicles and provided efficient driving guidance/training to staff.
- Preston City Council operates discounted public transport travel and is promoting car sharing and use of pool cycles.
- Rossendale BC is considering the fuel economy figures when producing new equipment such as mowers and tractors.
- West Lancashire is implementing a car share scheme and refuse collection vehicles have been fitted with tracking devices to aid journey planning. West Lancs has also established a new pedestrian and cycle route from Skelmersdale to the White Moss Business Park.

Barriers & Challenges:

- Financing to provide adequate cycling facilities.
- Culture change associated with getting staff to travel less business miles.
- Financial and legal concerns regarding tax free cycle to work schemes.
- Most fuel economic vehicle might not be the best for the job.
- Encouraging staff to use a car share scheme.

Summary – While all authorities are engaged in the process to refresh the Local Transport Plan, transport actions are generally focussed on the implementation of staff bike to work & car sharing schemes and through their own fleet management. Wider action with the community is limited, and it is hoped that LTP3 will help strengthen community activity considerably.

Business***Highlights & Key Achievements:***

- Groundwork Pennine Lancashire is promoting the ENWORKS Environmental Business Support Programme with 485 businesses assisted and 22,500 tonnes of CO₂ saved.
- LCDL is running the Lancashire Small Scale Renewables Scheme – this a simple accessible capital grant fund, to assist businesses in Lancashire that wish to install small scale renewable energy generation equipment.
- All local authorities are working to reduce emissions from their own operations through delivery of NI185.
- Burnley Borough Council, Lancashire County Council and Lancashire Fire and Rescue Service all have Carbon Management Plans in place aimed at reducing carbon emissions from own operations. Other Councils are taking steps to improve energy efficiency in their own buildings through boiler replacement schemes, lighting controls, improvements to I.T, for example.
- Lancaster and Morecambe college is addressing its own energy consumption and emissions focusing on a reduction in electricity and gas consumption, business mileage and paper use. Preston City Council is taking energy efficiency measures in its own buildings including improvements to servers and changing from air conditioning to a more efficient cooling system. West Lancashire Borough Council has also completed efficient measures on council buildings including boiler replacements and roofing and insulation.
- The Environment Agency is reducing ozone depleting substances by regulating permitted sites in Lancashire. The Agency is also providing resources efficiency advice to SME and industry during regulatory visits.
- Fylde Borough Council is using thermal imaging and environmental surveys on businesses.
- Pendle BC has developed referral system for local businesses to the Business Environment Association
- West Lancashire Borough Council has a Climate Change Programme to engage with businesses, community groups and parishes to raise awareness and produce green plans. The Council has also run climate change workshops for agriculture and schools.

Barriers & Challenges:

- Staff time and resources to deliver resource efficiency advice to SME and industry sectors
- Fewer businesses taking part in environmental surveys and taking up measures due to the recession
- Lack of commitment to behaviour change among staff
- Capital funding for energy efficiency projects
- Implementation of actions identified in green plans for business, community groups and parish councils.
- Engaging with the agriculture sector to reduce carbon emissions

Summary - All partners are making good progress on identifying and working towards reducing emissions from their own operations and a number of LSPs/district councils have awareness raising/signposting programmes in place for businesses. However, aside from the ENWORKS Environmental Business Support Programme & LCDL's Lancashire Small Scale Renewables Scheme, there is little by way of support for business to implement resource efficiency actions.

Land use/Natural Environment**Highlights & Key Achievements:**

- The Environment Agency, United Utilities and the County Council are running a variety of Wetland and Moorland land use projects aiming to maximise carbon storage and sequestration
- Pendle Council has planted 125 new trees across parks and Recreation Services managed land. Preston City Council contributed to the BBC's Tree O Clock world record attempt and planted 857 trees in one hour in Ashton Park. West Lancashire Borough Council has run a free tree scheme with 550 trees distributed throughout the borough.
- Rossendale BC is replacing urban flower meadows in place of grass verges, reducing mowing regimes and using permanent planting instead of annual bedding
- West Lancashire BC is also running a community food growing scheme
- Lancashire Wildlife Trust (together with Natural England) is undertaking assessments to identify the impacts (positive & negative) of climate change on the Lancashire & Amounderness Plain National Character Area (NCA).

Barriers & Challenges:

- Issues regarding ownership of land and funding for wetlands projects
- Staff resources and customer views (for reduced mowing regime and permanent rather than annual planting)
- Funding for projects

Summary - Activity is largely based around tree planting & land management schemes along with projects aiming to maximise carbon storage and sequestration, with studies underway to assess the impacts (both positive & negative) on the natural environment.

Adaptation

Highlights & Key Achievements:

- All local councils are working towards Level 2 on national indicator 188, with the focus currently on the completion of risk assessments.
- The Environment Agency has flood warning, monitoring and incident response and is also undertaking work to protect species and key habitats and improve resilience to climate change. They are also assisting communities to adapt by producing shore line flood management plans. They are also working with Lancashire Fire & Rescue Service to encourage people to sign up to flood warning systems during their home fire safety check.
- Pendle and Burnley are collating information on local weather patterns
- Most organisations have risk assessments/business continuity plans in place.

Barriers & Challenges:

- Staff resources & capacity to deliver NI188
- Funding for Restoring Sustainable Abstractions (EA)
- Finance and staff resources for preparing an Local Climate Impacts Profile (LCLIP)
- Specialist knowledge required to interpret data on information on local weather patterns

<p>Summary - Activity on adaptation is largely focussed around delivering the performance levels of NI188, which to date has largely focussed on risk assessment, along with the Agency's work on flood warning. A future challenge is to move towards raising public awareness and working with communities.</p>
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5. Analysis/Conclusions

- Since 2005, Lancashire has made year on year reductions in total CO₂ emissions and by 2007 has achieved a 12.74% reduction on the 1990 baseline. Progress towards the 30% target is good.
- Cross-cutting links are now being made between climate change activity and activity to deliver other priorities particularly health, housing & economy.
- Given that climate change adaptation was a new area of work in 2008 activity is progressing well, with all LSPs being actively engaged and working towards Level 2 of the performance framework.
- To date adaptation work has largely focused on risk assessment, along with the Agency's work on flood warning; a future challenge is to move towards raising public awareness and working more with communities.

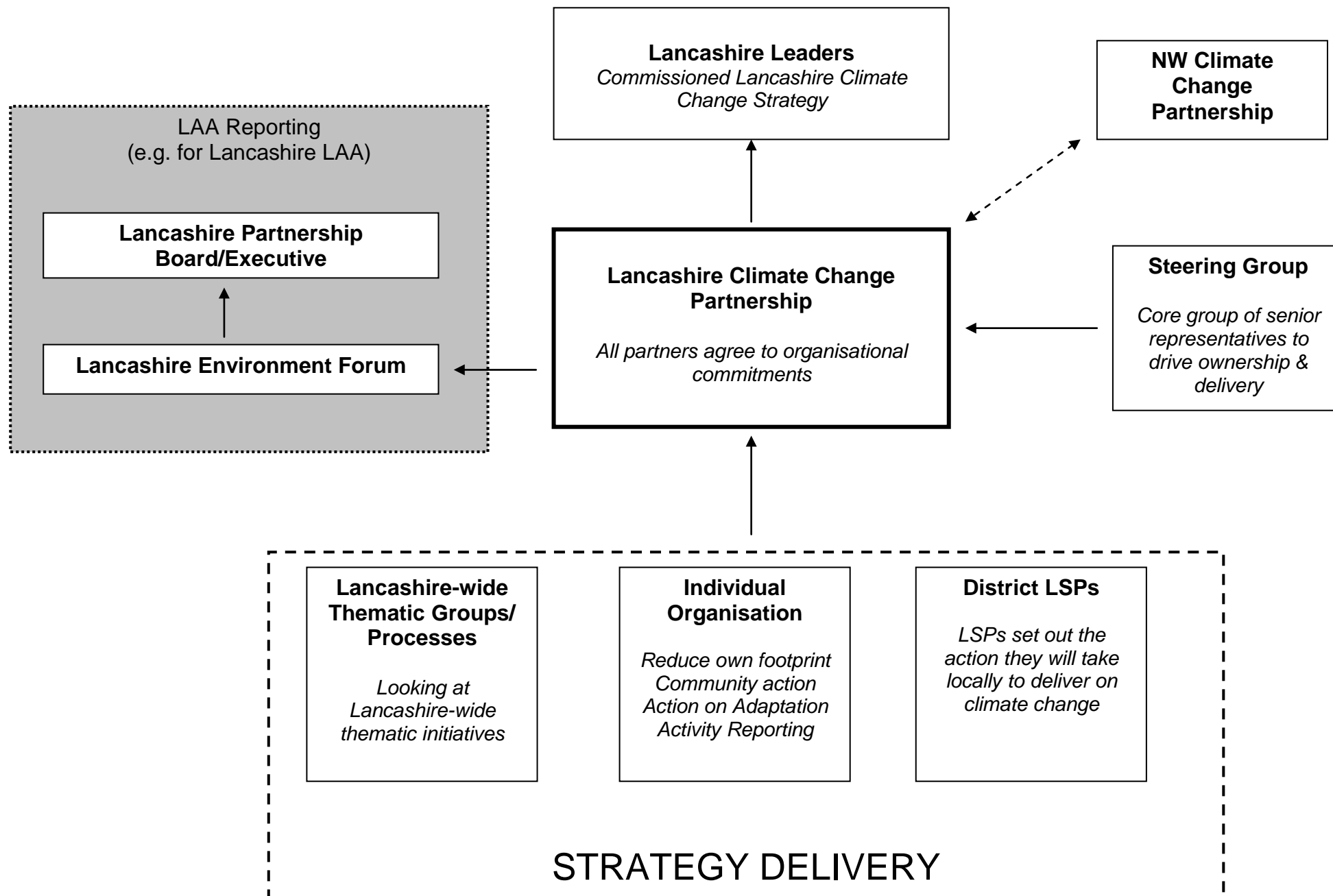
- CO₂ saved from domestic projects has steadily increased; a reflection of the high level of activity underway in this sector. However, it is likely that the installation of measures will reach a peak once all the 'easy hits' have been achieved. Future work needs to address challenges such as dealing with hard to treat properties, the private rented sector and able to pay sector.
- There is little by way of indicators to monitor progress on carbon reduction from transport actions.
- All councils are contributing to the development of the refresh of the Local Transport Plan, but otherwise transport actions generally relate to organisational implementation of staff bike to work schemes, car sharing and fleet management. Travel Planning is mainly limited to schools. Wider action with the community appears to be more limited, though LTP3 offers an opportunity to strengthen things.
- Several major public transport schemes are being implemented, including the Blackpool to Fleetwood Tramway and the Rawtenstall bus station
- All partners are making good progress on identifying and working towards reducing emissions from their own operations, either through Carbon Management Plans, delivering NI185 or a similar scheme.
- A number of LSPs/district councils have awareness raising programmes in place for businesses, but aside from the ENWORKS Environmental Business Support Programme & LCDL Lancashire Small Scale Renewables Scheme, there is little by way of support for business to implement resource efficiency actions.
- More work could be done to reduce emissions from the agriculture sector.
- Monitoring the progress of action around land use and the natural environment is also difficult. Activity is largely based around tree planting & land management schemes along with projects aiming to maximise carbon storage and sequestration.
- Studies are underway to assess the impacts of climate change (both positive & negative) on the natural environment.

The Partnership has agreed that this report will be used to inform action planning for the forthcoming year through the agreed delivery mechanisms:

- action at an organisation level;***
- through Lancashire-wide thematic groups/processes and;***
- through district LSPs***

Feedback from these delivery processes will be strengthened and the Partnership will focus on developing more joint initiatives in the future.

Appendix A: Lancashire Climate Change Partnership Structure



Appendix B: Activity Report 2009-10

Domestic

District / Organisation	Activity	Performance	Timeline
Blackburn with Darwen Council	Library Energy Meter and Plug-in Monitor Loan Scheme		Loans will continue through the libraries till the monitors become tired.
	Supporting warm Front Grants	20	Current Financial Year
	Supporting Group Repair activity and take up of CERT funding	25	Current Financial Year
	Promoting Renewable Technology	4	Current Financial Year
	Supporting Insulation measures	150	Current Financial Year
	Installation of heating measures	1654	Current Financial Year
	Cert maximisation using Book My Survey	100	Current Financial Year
	Queen Street/Hindle Street Supplementary Planning Document has included a requirement for all homes built on the site to be Code for Sustainable Homes Level 4.	All homes to be zero carbon (Level 6) by 2016	Phase 1 commencing Nov 2010, complete by Oct 2011. Future phases yet to be confirmed.
Burnley Borough Council	Burnley CRISP Insulation Scheme and £75 Loft and Cavity Wall Insulation All Residents scheme	500 households improved with loft and cavity wall insulation	Funding is bid for on an annual basis
	Burnley Heating Improvement Rebate Scheme	Scheme works to CHESS 2008 best practice. All funding committed by Nov 09.	Funding is bid for on an annual basis
	Burnley and Pendle Home Energy Strategy 2008-11	Reviewed on annual basis	2008-2011
	Burnley and Pendle Social Services Fuel Poverty Project	Targets of 30% energy grant referral rate - for number of home visits	Oct 2009 – Oct 2010
	NEA Fuel Debt Training	Performance assessed by number of people attending the two sessions	Nov-Dec 2009
	Great Places New Build Development- to Code Level 3	18 new build homes with PV to code level 3	2009
	Project Officer (Energy) + Support Officer	Targets/objectives as per Burnley and Pendle home energy strategy	April08-Mar 09
	Promote Results of Aerial Thermal Imaging Survey, and use to target inefficient properties	Monitoring of target	Ongoing
	Warm Front Top Up Grant	no. of households receiving top up grants	April08-Mar 09
	Warm Front Council Tax Benefit Mail Out	No of grant application	Aug-09
	Burnley Contact Centre Energy Efficiency Referrals	No of referrals made	Ongoing

Appendix B: Activity Report 2009-10

District / Organisation	Activity	Performance	Timeline
	(Engaging with hard to reach residents)		
Chorley Borough Council	Loft insulation and cavity wall insulation measures carried out throughout the borough	800	
	Warm Fronts grant scheme	Resulted in the installation of almost 790 measures to increase energy efficiency in the year to November 2009.	
	Thermal imaging energy survey		
	Adoption of Sustainable Resources DPD requires all new dwellings to meet Level 3 of the Code of Sustainable Homes by 2010, Level 4 by 2013 and Level 6 by 2016		
	Groundwork is leading on a project in Hoghton where households are not connected to the main gas network. Free energy audits have been conducted and recommendations made to insulate properties. Sustainable energy options are being examined.		
	The LSP focused on helping residents and businesses to reduce emissions.	This includes the installation of loft and cavity wall insulation in approximately 500 properties in deprived wards which should see a reduction in domestic emissions.	
Environment Agency	Support to FLoWE project via Fylde LSP and FLoWE Domestic sector group		Support likely to be reduced in 2010-11
Fylde Borough Council and FLoWE	Targeted insulation promotion	£10,200 spent at £30 per measure. 199 cavities and 141 lofts = 340 measures. Of these measures, 51 houses had both = 289 residences have been insulated. Of these 289, 20 were cavities for two buildings (i.e. 20 flats) so counting these 20 as 2 = 271 buildings have been insulated.	August to December 2009
	Awareness raising through thermal imaging	57 households surveyed over six evenings (6:30 to 10:30pm).	November to December 2009
	Greening Your Victorian Home event	82 delegates spread across local residents, representatives of community groups/NGOs and public sector representatives	April to October 2009
	Interest free energy efficiency loan scheme. Covers all forms of insulation, replacement boilers and heating systems, controls and renewable energy devices of a	Four grants for replacement boilers and new heating controls totalling £8,000 awarded to date	January 2009 to September 2010

Appendix B: Activity Report 2009-10

District / Organisation	Activity	Performance	Timeline
	value from £200 to £5,000		
	Energy efficiency improvements in HMOs		January 2009 to May 2010
	FLoWE Schools Eco Conference	16 schools attended with over 80 people joining in during the day	April. 2009
Groundwork Pennine Lancashire	Ribble Valley Green Doctor Micro pilot	12 householders supported out of fuel poverty, 12 households signposted to grants	Until March 2010
Helpdirect	Signposting to energy efficiency funding & support		ongoing
Lancaster City Council	Council housing energy efficiency projects	Increase loft insulation in all council housing from 150mm to 270mm by March 2012, install double glazing in 88.5% of council housing by March 2013, increase % of council houses with "A" rated boilers to 72% by March 2010 and then to 95% by March 2013	Completed by March 2013
Lancaster LESS	Energy Efficiency Advice Website		Ongoing update of website.
	One Planet Festival Lancaster (Sustainability Expo/Green Screen Films/ Climate Change Workshops/FreeStyle Clothes Swap)	350+ people attended Sustianbility Expo with 35+ stallholders	October 2009 With smaller ongoing OPF events planned for 2010
	Halton Carbon Positive - selected as a Low Carbon Community by DECC. A green 'make-over' up to £500,000 will include community hydro project, solar roof project and the eco-refurbishment of Halton Mill to create 15 low carbon workshops.	Up to £500,000 to be spent before end of March 2011. Funding level to be finalised April 2010.	Up to £500,000 to be spent before end of March 2011. Funding level to be finalised April 2010.
	Energy & Community ESRC Bid with Lancaster University & Halton Carbon Positive to measure the impact of the Halton Carbon Positive project across the district. The bid includes support to do a Green Street makeover of a Victorian Terrace street in Lancaster.	The project will only go ahead if the bid is successful.	A bid for a 5 year action research project has been submitted
Community Windpower Ltd (in partnership with Estate	BeGreen Lower Lune - Home Energy Audits plus Free Loft & Cavity Wall Insulation Offer		Started in November 2009 and the Insulation offer will start in Feb 2010.

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District / Organisation	Activity	Performance	Timeline
Energy Solutions & LESS)			
Lancaster LSP	Climate Change Action Co-ordinator Post (Mapping current climate change action in Lancaster and developing NI186 action plan)	Report and recommendations will be available April 2010	Funding only secured from July 2009 –March 2010
	An Affordable Warmth Action group to develop a fuel poverty action plan.		Jan –March 2010, developing action plan, for roll out of projects in 2010.
Lancaster Sustainability Partnership - Recycling Forum	The Little Book of Sustainability (incl. Energy Efficiency Advice)		Launched August 2009. Ongoing distribution
Lancaster Transition City	TCL has over 200 members working on various themes including developing community renewable energy projects, local food growing schemes and a potential car share initiative in Lancaster		Ongoing/ Official launch of TCL April 2010
Lancaster University	Green Lancaster - Student Carbon Footprint Competition		Academic Year
Lancashire Fire and Rescue Service	Home Fire Safety Checks and Installation of Smoke Alarms into domestic premises	33,930 to end December 2009 – on target	Ongoing
Lancashire County Council	Library energy monitor loan scheme	loan numbers: May – 3, June – 13, July – 49, Aug -100, Sep -198, Oct – 221 Target = 500 loans in first year	Ongoing
	Climate Change A-Z	Attend 10 events and distribute leaflets at those	Ongoing
	Hot Lofts Aerial Survey Project (in partnership with district & unitary councils)	Aim to trial communication methods in different areas across Lancashire. Survey due to take place by end of March 2010, districts to complete follow up activities in their area	Ongoing
	Energy Saving Light Bulbs	Range of initiatives to promote the use of energy saving light bulbs and encourage residents to make the switch, including	Ongoing

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District / Organisation	Activity	Performance	Timeline
		completion and publicity of Bolton's Croft project, competition for sixth students and supporting community groups.	
	Packs for youth groups	Distribute to all uniformed youth groups across Lancashire. Follow up report to identify uptake and feedback.	Ongoing
	Climate Change Radio Campaign and Attitudinal Survey	Aim to Increase number of people who rate their knowledge of climate change as 6 to 25% from baseline of 14% (from 2009 – 2010 survey)	Ongoing – first survey March 09, follow up March 2010
North Lancs PCT	Stay Warm this Winter campaign		December 2009
Pendle Borough Council	Home Energy Officer (30 hrs) and P/T Home Energy Support Assistant providing one-to-one advice, information and arranging events for Pendle residents	New enquiries 09/10; Apr - June = 229 Jul - Sept = 154 Oct - Dec = 130 Jan = ~80	Ongoing
	PHEW (Pendle heat Efficiency & Warmth) Scheme	Since Apr 2009 90 completed installations, £27,725 paid to date	Scheme will continue with ongoing (but reduced) capital budget
	Enhanced Warm Front (Warm Front grant & minor works assistance)	Since Apr 2009 38 completed Enhanced Warm Front heating installations = £42952.44 paid	Additional support will continue with ongoing (but reduced) capital budget
	FISH (Free Insulation for Small Homes)	Since Apr 09 109 approvals for FISH installations 09/10, £27126 paid to date	Cannot continue without additional funding
	RASO referral pilot	RASO's completed training Dec 09. = 6 referrals so far for Pendle.	Pilot project to 2011
	Publicity & Advertising	Links directly to SRU's	Monthly advert booking and other insertions, funding permitting
	Fuel Poverty awareness training for all public services	No. of extra referrals made/installed measures/advice & information provided as a direct result of staff training	Mar-10
	Improvements-for-sale	49 (total no of empty homes brought back	Completed 12 into 8 for

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District / Organisation	Activity	Performance	Timeline
	Every Street, Phase 1	into use)	2009/10. Anticipated 9 into 6 for 2010/11
	Improvement-for-sale property refurbishments/SAP improvement	49 (total no of empty homes brought back into use)	Ongoing, 7 = 09/10, 13 = 10/11
	Health & Hazard Safety Rating System assessments to improve housing standards, including heating & insulation	117= Number of private sector dwellings where Cat 1 hazards are removed (incl. excess cold & Damp/mould, but not exclusive)	Ongoing
	LETS BE WARM free insulation scheme / landlord information & advice	5 = Number of measures installed into properties with inadequate insulation where tenant not grant eligible.	Ongoing
Housing Pendle	All new build to meet Level 4 of the Code for Sustainable Homes		
	Introducing a fuel switch programme		
Preston City Council	Preston Energy Grant (PEG) Scheme to provide loft insulation, cavity wall insulation etc. Heating Up Grade (HUG) Grant to provide energy efficient boiler replacements and/or new central heating systems	On target to meet both aspects of the target.	British Gas CERT funding to continue in 2010/2011
	Preston SHEEP Scheme (Able to Pay scheme) for loft/cavity wall insulation	On target	Ongoing
	Real Time Electricity Monitors and Standby savers to assist home-owners to monitor & reduce their energy use.	10,000 + vouchers have been sent out and will continue to be sent out in 2010/11	Ongoing
	Community Energy Saving Programme (CESP). To provide a whole house energy efficiency package to properties within identified area's regardless of tenure.		Jan 2010 - December 2012
Rossendale Borough Council	Be A Rossendale Saver (BeARS) loft insulation scheme	October 09 - 50 November 09 - 49 December 09 - 20	Scheme will continue to run as long as funding is identified & there are eligible households.
South Ribble	NESS (Neighbourhood Energy Efficiency Scheme)	Up until 24/02/10 1,108 cavity wall installed and 535 Loft Insulations Installed	Funding ends 31st March 2010
	SRBC Boiler Replacement Scheme	Installed 100 boilers to date (24/02/10)	Funding ends 31st March 2010
	SRBC Thermal Solar Scheme	0 systems has been installed we have had 14 applications but were not suitable for the installation of thermal solar	Funding ends 31st March 2010

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District / Organisation	Activity	Performance	Timeline
South Ribble LSP	Living Smart Project - small number of households to be recruited to take part in a domestic energy reduction and sustainable lifestyle project. Partners to give targeted advice on various themes over a 12 month period.	Aim is to measure energy savings (and therefore carbon savings) plus other changes such as water saved. Also aim to make this project replicable in other areas.	Possible start date summer 2010
West Lancashire Borough Council	Energy efficiency measures undertaken on Council owned housing	157 energy efficient gas boiler replacements (~ CO ₂ saving 234t) 169 loft insulation upgrades (~ CO ₂ saving: 78t) 290 double glazed window replacements (~ CO ₂ saving 171t) Response maintenance and void works - Installation of condensing gas boilers at 186 properties (~ CO ₂ saving 277t) Top up loft & cavity wall insulation at 68 properties ~ CO ₂ savings of 120t)	Ongoing Annual
	Energy efficiency measures undertaken on Council sheltered housing schemes	2 communal boiler replacements 2 energy efficient lighting upgrades Solar hot water installation at 1 sheltered housing scheme. Proposed installation at another by the end of the year.	Ongoing
	Energy efficiency measures undertaken on privately owned housing NB: THIS INFORMATION IS FOR 08/09 AS 09/10 DATA NOT YET AVAILABLE	410 energy efficient gas boiler replacements (approx CO ₂ saving 610 tonnes) 1046 lofts insulated (approx CO ₂ savings: 1757 tonnes) 1169 cavity walls insulated (approx CO ₂ savings: 1531 tonnes)	Ongoing
	Partnership working with ESTAC on home energy check mail out		
	Information on Council website regarding domestic energy efficiency and renewables		
Wyre Borough Council	Delivery of Promoting Home Energy and Efficiency Grants (PHEEW Grants)	81 grants awarded and completed	2009/10
	Delivery of Private Landlord Energy Grants	4 delivered so far	2009/10
	Delivery of Wyred for Energy Grants	3 delivered	2009/10

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District / Organisation	Activity	Performance	Timeline
	Eon Heatstreets Initiative	309 home energy insulation measures installed in 132 homes	2008/09 & 2009/10
	Wyre Heat Save 70 + (Initiative funded by Wyre LSP to promote the take up of free CERT Scheme funding for over 70s)		2008/09 & 2009/10
	98,000 North Lancs Flu Jab mailings distributed containing energy efficiency information to encourage take up of home energy insulation measures	Delivered	
	Inclusion of home energy information in Council Tax mailings to all households	Delivered	2009/10
	Installation of Loft and Cavity wall insulation measures via CERT activity	2851 measures of cavity wall insulation installed and 5396 measures of loft insulation installed in 2008/09	Annual
Cross Cutting Opportunities: <ul style="list-style-type: none"> National Indicator 187 - Tackling fuel poverty: Percentage of people receiving income based benefits living in homes with a low and high energy efficiency rating Health and Wellbeing (Ambition Lancashire Key Priority) – reducing health inequalities e.g. infant mortality, average life expectancy, excess winter deaths Narrowing the gap (Ambition Lancashire principle) -improving access to services and social exclusion Improving the quality of housing 			

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Transport

District / Organisation	Activity	Performance	Timeline
Blackburn with Darwen	BwDBC has launched a smarter choices campaign designed to promote sustainable travel options and as part of this campaign public transport, walking, cycling and car sharing has been promoted.	The number of BwD participants in Shared Wheels and the carbon savings achieved are recorded. From Jan to Dec 09 131 people were registered with shared wheels, saving 21 tonnes of carbon, equivalent to 63,000 car miles	Ongoing
Burnley Borough Council	Bike to work scheme (for staff)	Increase staff cycling from 2.4% (2007) to 4.4% (2012)	Uncertain - dependent on national government policy
Chorley Borough Council	Staff Travel Plan produced	Target to reduce CO2 emissions (kg) produced by business and fleet travel by 10% by 2013 (reduction of 48.8 tonnes of CO2)	
	Promotion of a smart driving course so staff drive more economically.		
	Chipping of brash is carried out on site where possible which reduces travelling backwards and forwards to depot (reduced fuel/wear on vehicle).		
	Spring bulbs are lifted and donated to groups such as schools parish councils and local voluntary groups.		
	Chipping carried out in depot is reused as mulch on shrub beds.		
Environment Agency	Reduce EA carbon emissions through fleet management and reducing mileage	The Region met its profiled mileage performance in 08/09, on target to meet profile 09/10	Continuous reduction year on year
Fylde Borough Council	Establishing a new cycle route between Ansdell and St Annes		Not yet set, ideally by end 2010
	Tax free cycle-to-work scheme for council employees	From survey in June 2009 over 40 staff are interested in scheme. It is hoped at least 20 will take part.	Under development since 2007. Looking to launch March 2010.
	Replacing old Council vehicles	To be established	February to August 2010
Furniture Matters	Pedal Power - Reconditions old bikes, runs cycling maintenance sessions with Dr. Bike.	In the last 4 years Pedal Power has saved almost 37 tonnes from going to landfill. 2766 cycles have been collected and 1021	Operating for the past 6 years.

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District / Organisation	Activity	Performance	Timeline
		sold. Over 100 adult volunteers have been recruited	
Hyndburn Borough Council	Cycle to Work Scheme was adopted by Cabinet in February 2009 to promote healthier journeys to work and reduce environmental pollution.	To date, 23 employees have expressed an interest in partaking in the scheme	
	Changing the Mayoral Car from a Mercedes E280 to a Toyota Prius	This change has reduced carbon emissions and increased fuel efficiency by 5.3 tonnes CO ₂ pa.	
	Car Lease and Loan Scheme On 6th March 2007 the car lease and loan scheme was changed and approved by Cabinet. The changes were made in order to encourage staff to provide and use cars with lower CO ₂ emissions.	<i>Lease scheme:</i> In 2006 cars with less than 140 g/km equalled 18% <i>Loan scheme:</i> April 2006 - March 2007 = Less than 140 g/km = 27%	
	The Council has set itself an ambitious target to cut 'grey fleet' mileage by 25% over the next three years	Latest available data shows that this year we look set to achieve a 10% reduction compared to the baseline year which equates to a reduction of 4.4t of CO ₂ .	
	Energy Saving Trust's Motorvate Scheme - a government backed environmental accreditation scheme which recognises and rewards achievements in reducing carbon dioxide emissions from car and van fleets	The Council has achieved the highest performance standard of the Energy Saving Trust's Motorvate Scheme, by being awarded the Gold Motorvate status demonstrating that we have reduced fleet emissions by over 15% since 2006/07.	
Lancashire Fire and Rescue	Introduction of a Cycle to work scheme	122 staff participating in the scheme	Ongoing
Lancashire County Council	Local Transport Plan 3	Produce LTP Climate Change chapter – LTP to be launched in March 2011	Ongoing
	LCC Promotion of public transport information websites such as a co-ordinated Journey Planner on the LCC website and www.traveline.info		
	All bus stop information features details about the SMS text code and about how to use it. The focus is towards providing people with the tools to find the information for themselves, when they need it.		
'Quicker, Healthier, Cheaper'	The 'Quicker, Healthier, Cheaper' campaign placed ads on the back of local buses, promoting the benefits of traveling by bike. Other promotional activities will also continue in		May 2009, and continued throughout 2010

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District / Organisation	Activity	Performance	Timeline
campaign	2010, including a regular Friday cycling roadshow in Market Square, publication of new maps, an events guide, 'Breakfast on the Bridge' for commuters, and the annual Bike Film Festival.		
	Upgrading of Blackpool-Fleetwood tramway; major scheme costing £110m; 16 new trams, new track and stops; due to open spring 2012 Padiham Greenway; former railway line restored for walkers and cyclists; formal opening date 24 May 2010	major scheme costing £110m; 16 new trams, new track and stops	Due to open Spring 2012
	Construction of Accrington Eco railway station plus development of station travel plan; due to open summer 2010		Summer 2010
	Construction of new station and P&R at Buckshaw, Chorley to serve sustainable development of Buckshaw Village and commuters to Preston, Bolton and Manchester; due to open summer 2011		Summer 2011
	Cycling improvements: Construction is underway on the Cuerden Valley Park Cycle Route to make a link with Buckshaw village Work has begun on a £750,000 footpath and cycleway along the former East Lancashire railway between Preston and Penwortham Mill. The greenway, to be completed by mid-October 2010, will form a key spoke of the planned Guild Wheel cycle path, a 21-mile route skirting the city.		
	Pedestrian priority improvements		Annual
	Public Transport improvements and Quality Bus routes		Annual
	Cycling improvements in Hyndburn: £400,000 from Sustrans for new links to Norden Sports College in Rishton, Accrington Academy and St Christopher's Church of England High School. Cycling Projects plan to use St Christopher's, Norden and Hollins as bases for cycle training to offer the Government's new Bikeability training. The short rides for		April 2009

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District / Organisation	Activity	Performance	Timeline
	health in the 'On Move' programme introduce people to cycling		
	Chorley Loop Signing to promote use of the Chorley Loop	This circular cycle route around Chorley uses the canal towpath and cycle paths built as part of new road schemes. The route serves three High Schools, employment areas and the hospital	
	Ormskirk Railway Refurbishment - The project included full external refurbishment of the station building and canopy and provision of a combined booking hall and waiting room.	Lighting, heating and drainage are all environmentally friendly. Facilities are accessible to people with disabilities.	Completed July 2009
	Street Lighting - LCC is committed to reducing energy consumption used in street lighting by 30% over the next five years and new technology is helping us to achieve this target.	<p>LCC is the first in the country to install an energy saving lighting system on a stretch of motorway (M65 Junction 10 -14), there is now capability to remotely dim street lighting output on this stretch by 50% between the hours of midnight and six am, without compromising road safety.</p> <p>LED streetlights were first installed in 2009 and are now being introduced in a number of districts across the county. They are far more efficient consuming 26 watts of power rather than 62 watts and have a much longer lifespan than traditional streetlights lasting up to 25 years compared to four years for most conventional lamps.</p>	
	Ad Personam - Personalised travel planning - 1,000 Lancaster & Morecambe residents that were selected after completing a questionnaire sent to 53,000 homes	In October 2009 1,000 complimentary bus tickets for Stagecoach bus services along with a personalised journey plan to help those residents taking part in the trial to easily access their local bus services.	
Lancaster City Council	Lancaster Cycling Demonstration Town Promoting Cycling	Cycling in Lancaster & Morecambe increase by 25% from October 2005 - to 2008. Last 18 months have been particularly successful so CDT expect to see a further	Project funded by Cycling England; 3 year project to promote cycling extended for 3

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District / Organisation	Activity	Performance	Timeline
		15 - 25% increase from 2008-2011. Improved access to the city centre access is a key aim of the Cycling Demonstration Town project. In 2009/10, new toucan crossings at A6 Penny Street/South Road/Thurnham Street/Aldcliffe Road junction and a contraflow cycle lane in Upper Penny Street have been constructed to give cyclists better access from the south.	more years until 2011
Lancaster City Council CDT Team	CDT Cycling to Work Initiative	Worked with 6 key public sector employers	2009-10
	Spring into Active Travel Day - Whitecross employers and employees incl. Adult College Students		24th March 2010
Lancaster CDT/Sustrans	Bike It Officer for Schools	Levels of every day cycling have trebled at Skerton High School in Lancaster, in part because of a bike loan service and 'self esteem' sessions aimed at Year 9 girls	2009-10
Lancaster University	Lancaster University Sustainable Travel Day - Days events to promote cycling, walking and sustainable transport to the University	Over 200 cyclists/walker claimed free breakfast. 57 free car parking space in the staff car park! 7 reconditioned bikes sold in 4 hours.	March 9th 2010
	Travel Plan initiatives for staff	Staff sole occupancy car use dropped from 58.4% in May 2003 to 55.7% in Nov 2007.	Ongoing (covered by planning condition)
Lancaster University with Stagecoach	X1 bus subsidy for residents in the X1 bus route catchment area and students, staff and visitors using the railway station to link to and from campus.	Patronage shown to steadily increase over the 4 years	Now in fourth year of subsidy, which is due to end in August 2010.
GreenLancaster (LUSU / Lancaster University)	GreenLancaster sale of reconditioned used bicycles to students	52 bikes sold in first four months of trading	Ongoing until July 2011 at present
Pendle Borough Council	Introduced new 'greener' fleet vehicles.	Anticipated 12 tonnes CO ₂ savings	New fleet introduced Sept 09
	Provided efficient driving guidance/training to all council staff		

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District / Organisation	Activity	Performance	Timeline
Housing Pendle	Calculated staff travel footprint from commuting & business travel		
Preston City Council	Establish a <i>Bicycle User Group</i>	Encouraging staff take up of cycling will have both carbon reduction and health benefits.	to be established by June 2010, to run from then on
	Promote Cycle to Work Scheme		Potentially 2 schemes to run annually. No end date
	Promotion of discounted public transport (bus) travel		
	Promotion of car sharing		
	Provision of pool cycles		
	Review of Fleet vehicles (Mark Taylor to input?)		
	developing the Guild Wheel (a 21 mile circular route of Preston)		
	Inputting into/influencing the LTP3		
Rossendale Borough Council	Consider fuel economy figures when purchasing new equipment (e.g. mowers and tractors)	Reduced fuel use over the lifespan of the machinery. Thus also a cost saving which could be reinvested in other projects or resources.	March 31 2010
West Lancashire Borough Council	Implementation of a Car Sharing Scheme	Scheme in place but not well used at current time.	Scheme implemented May'09. Promotion and use ongoing
	Council refuse collection vehicles and sweepers been fitted with tracking devices to aid journey planning and minimise mileage	Reduced mileage and fuel consumption from fleet vehicles	Complete
	New pedestrian and cycle route from Skelmersdale to White Moss Business Park	Provides safe and sustainable route to the business park which is becoming increasingly busy, reducing traffic and transport related emissions.	Complete
Wyre Borough Council	Completion of Green Fleet Review		
Cross Cutting Opportunities: <ul style="list-style-type: none"> Health and Wellbeing (Ambition Lancashire Key Priority) – promoting healthy lifestyles National Indicator 194 - Air quality – % reduction in NOx and primary PM10 emissions through local authority's estate and operations. Economy (Ambition Lancashire Key Priority) – breaking down practical barriers to work such as public transport 			

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Business

District / Organisation	Activity	Performance	Timeline
Burnley Borough Council	Boiler replacement - part of Carbon Management Plan strategy	Carbon savings, financial savings	2013
	Awareness Campaign	All Council staff (approx. 700) will reduce their own carbon footprint at work as well as at home. This will result in financial savings for Burnley Council as well as the individual	Ongoing
	Signatory to the Nottingham Declaration and 10:10 Campaign	5% annual reduction in energy use, monitored annually	Ongoing
Chorley Borough Council	Feasibility study looking at using combined heat and power at leisure centres. This has been funded from the under utilized grants scheme for local businesses	Recent changes will result in an annual saving of £61,760 and 333.7 tonnes of CO2.	
	A schedule of improvement required in all council buildings is being completed by Chorley Council to address climate change and carbon reduction	Will result in estimated annual savings of 966.9 tonnes of CO2.	
	The Council is reducing its power usage by using thin client computers	use up to 80% less electricity	
	Grant assistance packages to deliver the environmental reviews. In 2008, Chorley Council pledged to play a key part in reducing the Carbon Footprint of the borough.		
	Chorley Environmental Business Event, referrals to environmental diagnostic reviews, Climate Change business club, Breakfast events		
	Chorley Council was successful in its bid to LCC to host a food waste trial for 4,500 properties.		
Ellel Parish	Galgate's Low Carbon Village Hall - new eco-village hall to be built with GSHP and Solar PV.	The low-carbon build techniques and renewable energy technologies are expected to reduce emissions by 1000 tonnes over workable life time of building and technologies.	Work to commence on site Summer 2010 depending on funding shortfall being met
Environment Agency	Reduction of ozone depleting substances through continued regulation of permitted sites in Lancashire	Emissions to air of priority pollutants including ozone depleting substances are reduced	continuous
	Active Landfill regulation	Emissions to air of methane are reduced.	continuous
	Resource efficiency advice to SME/industry sectors during		

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District / Organisation	Activity	Performance	Timeline
	regulatory visits		
	Resource efficiency advice to SME/industry sectors with Lancashire BEA	Numbers of SME attendees (Lancs BEA hold data)	2009/10
Fylde Borough Council and FLOWE	Awareness raising using thermal imaging survey	Heat pump will provide space heating for almost all areas of the facility. The boreholes have been drilled and pipes laid, the heat pump unit is on site and waiting to be attached	November to December 2009 and March 2009
	Environmental survey as part of the Kirkham Renaissance scheme	Monitoring what electrical equipment is left switched on needlessly overnight and weekends	April 2008 March 2011
	Installation of ground source heat pump as part of Ashton Institute Re-building project		April 2009 to March 2010
	Energy use survey of council offices		January to March 2010
Groundwork Pennine Lancashire	ENWORKS Environmental Business Support Programme	485 businesses assisted, £10.2m savings identified, 22,500 t CO ₂ savings	Mar-10
	Sustainable Water Environment Lancashire (SWEL)	4 Awareness events, 14 flood risk management plans 1 SUDs	Mar-14
	West Lancashire BC Energy Efficiency Programme		Oct-11
	Cool Climate Workshops	c3600 people educated on Climate Change per year.	Ends Jan-11
Hyndburn Borough Council	Off Peak Heating adjusting setup and operation of the off peak heating control	Approximately 11,340kwh saved in the six months that require heating annually, which is a saving of 6,169kg/co2 and £1,077.30	
	Peak Heating was turned off at the distribution boards at 17:00 on Friday 5th March 2010 and the data compared to a comparable weekend	This resulted in a saving of 1,131kWh and 615kg/co2 in one weekend. Based on heating for 26 weeks of the year and the daily savings on this system, this would give us an annual saving of approximately £6,004.57, and save 34,384 kg/co2 annually.	
	Server Rationalisation - This involves reducing power usage through consolidating servers.	56 separate servers reduced to 4 power-consuming devices The finished	The server virtualisation programme is currently

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District / Organisation	Activity	Performance	Timeline
		programme will accrue 225 Tonne CO ₂ per annum savings	66% complete (which equates to 150 Tonnes).
	Printer rationalisation programme - Printers have been replaced by centrally located shared printers	We have reduced desktop printers by 50% saving 47 tonnes of CO ₂	
	NightWatchman power management product	61 tonnes of CO ₂ savings per annum have been achieved since the introduction of Windows XP power management (2006).	
	<p>Accrington Market Hall Refurbishment All work has been specified in accordance with Quarterbridge Environmental Policy Statement. The project has a low environmental impact because the sales floor and balconies are naturally-ventilated and neither heated or cooled. The former boiler system has been replaced with a new energy-efficient centralised gas-fired boiler serving Low Pressure Hot Water (LPHW) radiators in the balcony-level rooms and management offices with local thermostatic valve control. Cooling effect is provided by natural ventilation through vent light windows.</p> <p>Lighting to all balcony-level rooms is by low-energy high frequency fluorescent fittings controlled by timed passive infra-red (PIR) detectors that switch lighting off when the room is unoccupied.</p> <p>Existing incandescent light fittings to common areas have generally been replaced and all new lighting installations have been specified with a combination of high-efficiency luminaries and LED or metal halide discharge lamps to save energy.</p>	The previous boilers have been replaced with 2 x top category boilers (A-rated) under the SEDBUK rating system i.e. 90-91.3% efficiency. They are gas-fired condensing boilers at 90Kw output each.	
	Property Rationalisation Programme Scaitcliffe House (2002) and transfer of housing stock (2006) enabled the Council to reduce the number of operational buildings it occupies and maintain optimum occupancy levels.		
	<p>Making Best Use of Our Operational Buildings.</p> <p>Our Economic Development Partnership with Blackburn with Darwen Council saw our staff and theirs working together in shared accommodation. Since 1996 the Council's CCTV monitoring centre has been located in</p>		

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District / Organisation	Activity	Performance	Timeline
	Accrington Police Station, in 2007 the centre was co-located with Blackburn with Darwen Council's monitoring centre in Lancashire Constabulary premises in Blackburn		
Halton Community Association	Centre at Halton - Low Carbon Extension and Renewable Energy Technologies - Ground Source Heat Pump, Solar Thermal & PV and Rainwater Harvesting	Technologies are expected to reduce the centre's carbon emissions by 10tonnes per annum.	Opens May 2010
Lancashire Business Environment Association	Energy Efficiency for Business Workshop held at Lancaster & Morecambe College for North Lincs	Limited number of SMEs attended partly due to December timing	3 December 2009
Lancaster City Council	Salt Ayre Sports Centre Energy Efficiency Measures	Predicted saving of approx. 215 tCO ₂ in year 1	Majority of projects completed by end of 2009/10
	City Council Climate Change Strategy incl. energy efficiency projects, staff engagement through the Bright Sparx initiative & Green Fleet projects.	Target to reduce carbon emissions from buildings & transport by 34% by 2020 (3.4% p.a.). The Council has signed up to 10:10 giving a stretch target for 456 tonnes to save by end of March 2011.	Until 2020
	Lancaster City Council has adopted the 'Merton Rule' Largescale developments and retrofits	All new development over a certain size has to generate 10% of energy demand on site.	
LESS/Lancaster Environment Centre	5 week graduate placement project looking at current carbon reduction strategies of SMEs in Lancaster District.	14 local businesses responded and were directed to further energy efficiency advice where appropriate.	Jan-10
Lancaster District LSP	LSP Community Sustainable Strategy states that all partners should have effective and comprehensive strategies in place to reduce carbon emissions		Climate Change Action Co-ordinator post until March 2010
Lancaster District LSP & Pricewaterhouse Cooper	LSP Climate Change Workshop on Financing Low Carbon Initiatives in Public & Private Sector		One off event 25th March 2010
Lancaster and Morecambe College	Reduction in electricity consumption		Jan 2010 to Dec 2010
	Reduction in gas consumption	Projected reduction of 84,237 kgCO ₂	Jan 2010 to Dec 2010
	Reduction in business mileage	Projected reduction of 57,791 kgCO ₂	Jan 2010 to Dec 2010

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District / Organisation	Activity	Performance	Timeline
	Reduction in air miles	Projected reduction of 4,077 kgCO ₂	Jan 2010 to Dec 2010
	Reduction in paper consumption	Projected reduction of 827 reams of paper	Jan 2010 to Dec 2010
Lancaster University	Lancaster University Carbon Management Plan	Carbon Management Plan sets a 5% absolute reduction in gas and electricity consumption for 09/10. Potential saving of 1,460 tonnes (tbc)	
	Lancaster University Wind Turbines	Potential to save 5,740 tonnes of carbon	Planning application for two 2.3MW turbines submitted Jan 2010
Lancashire Fire and Rescue Service	Carbon Management Plan	8% achieved during 2008/09	March 2020
Lancashire Constabulary	Cycle to work scheme offer taken up by over 500 staff. In place		
	Feasibility study being carried on viability of a Biomass boiler fuel source on 50 acres of green belt land owned by the Police Authority. Study completed by June 2010		
	Feasibility of water borehole at the Police HQ site which uses around 30,000 m3 per annum. Study completed by May 2010		
	Introduction of "thin client" central servers to eliminate desktop computers. Net saving around 2.5 kWh and 1500 tonnes of CO ₂ . Roll out over next 3 to 5 years.		
Lancashire County Council	Carbon Management Plan / NI185	Aim to reduce the county council's carbon emissions by around 3% per annum through a range of carbon reduction projects across property, street lighting and schools	Ongoing
	CRC preparation	Ensure the county council is compliant for the registration and first year of the CRC scheme	Ongoing – registration April 2010
	Refresh of Internal Environment Management Strategy	Complete refresh of internal management strategy and launch across the county council	Launch April 2010
LCDL	Lancashire Small Scale Renewables	1) 430,000 kWh 2) 300 tonnes CO ₂ saved	March 2010

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District / Organisation	Activity	Performance	Timeline
		3) 17 businesses. Also £100,000 per annum energy cost savings, £500,000 leveraged funds and 2,000 square metres of upgraded business premises.	
Nelson & Colne College	Carbon saving opportunities identified through Carbon Trust survey		
North Lancs PCT	NHS North Lancs PCT Operational Plan	Target to reduce carbon emissions by a minimum of 15% from April 2000 to March 2010.	March 2010
	Morecambe Bay Health Centre Solar PV Project	Predicted annual generation is approximately 17,843 kWh which offsets 10,135 kgs of carbon	To be installed 09/10
Pendle Borough Council	Elliott House- New boiler		Feb-10
	Barnoldswick Civic Centre - New boiler		Dec-10
	Nelson Town Hall – Occupancy sensors		Mar-10
	Wilson Room Heating – air source heat pump .		Mar-10
	Increased the % of 'green' energy procured by 20%		Oct-09
	Developed referral system for local businesses to the Business Environment Association		01-Apr-10
Pendle Leisure Trust	Energy efficiency measures installed in Pendle Leisure Trust sites		
PCT (East Lancs)	Installed energy efficient measures in Barnoldswick and Brierfield Health Centres		April 2010
	Centralised office staff onto 1 site in Pendle		
	Developed and implemented a Climate Change Action Plan		
Preston City Council	Installation of two CHP units in the Leisure centres	Reduction of 330 tonnes of carbon dioxide per year, and a saving of £20,000 on energy.	March 2010
	Installing Smart Meters	a reduction of approx £5,000 expected with 50 tonnes reduction in carbon dioxide	As soon as possible
	Power Perfector	CO ₂ savings of per annum of 46 tonnes & £5,416 in energy cost	As soon as possible
South Ribble Borough Council	Energy efficiency measures within council buildings, e.g. energy efficient boilers; lighting controls; improvements to	General target for NI 185 for all council estates and operation is a 5% reduction	Works are planned each year according to

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District / Organisation	Activity	Performance	Timeline
	servers in IT department; change from air conditioning to more efficient cooling system, etc	based on 2008/9 baseline. Action plan in place for DEC	budgets
South Ribble LSP	Business Network Project - aimed at businesses on a business park (likely to be Walton Summit);invite businesses to become part of a network, share experiences, undertake environmental audits etc		Due to start within next few months. End date not yet decided.
West Lancashire Borough Council	West Lancashire Climate Change Programme. Engage with businesses community groups and Parish Councils to raise awareness and produce green plans to identify practical projects to tackle CO ₂ emissions and increase resource efficiency.	Work is ongoing with businesses, 2 Parish Councils and a number of community groups.	Mar-10
	Climate Change and Agriculture workshop	Workshop held in November 2009, very poorly attended.	May-10
	Climate Change and Schools workshop	2 workshops planned for February and March 2010	May-10
	Energy efficiency measures undertaken on Council buildings	2 high efficiency combi-boiler replacements at office buildings Replacement double glazing at sports pavilion Re-roofing and insulation works at Nye Beven Swimming Pool	Completed
	Sustainable Development Guide of Developers	Guide complete and available on Council website. Promoted to developers during the planning process	Completed
	Edge Hill University - New developments including health faculty and student housing	Buildings developed to high standard of energy efficiency with use of renewable technologies	Completed
Cross Cutting Opportunities: <ul style="list-style-type: none"> National Indicator 194 - Air quality – % reduction in NO_x and primary PM₁₀ emissions through local authority's estate and operations. 			

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Land Use/Natural Environment

District / Organisation	Activity	Performance	Timeline
Blackburn With Darwen	Rewetting of Aushaw Moss	Improved biodiversity and carbon sequestration of over 10,000 tonnes of carbon if bog left undisturbed for 40 years.	End of 2010/11
Burnley Borough Council	Tree O Clock Project	789 trees were planted in total - 275 at Rowley Family Forest site and 514 were planted at the Delph on Underley Street. 100 Volunteers attended.	5 December 2011
Chorley Borough Council	More wild flower areas are being created across the borough.		
	Sweeping from leaf fall reused for composting at Neales Waste		
	We have reduced Summer and Spring bedding planting which is usually disposed of and are creating more herbaceous beds which are permanent.		
	Spring bulbs are lifted and donated to groups such as schools parish councils and local voluntary groups.		
	Chipping carried out in depot is reused as mulch on shrub beds.		
The Environment Agency	North West Wetlands Project	maximise carbon storage and sequestration, reduce run-off of solids and blanketing of key spawning areas	Not known
	Lancashire Mosslands Project	maximise carbon storage and sequestration, reduce run-off of solids and blanketing of key spawning areas	Not known
Hyndburn Borough Council	Allotment regeneration programme, in conjunction with the Prospects Foundation and other partners, aims to encourage local food growing, by promoting healthy eating, active lifestyles and reducing food miles. Physical improvements using reclaimed or recycled materials including some replicable innovation. Allotments use natural water supply systems such as rainwater. Spring water collection points are being introduced where the sites are suitable, e.g. Heys and Meadoway allotments. These are sustainable alternatives	111 lettings (75 plots and 36 raised beds)	

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District / Organisation	Activity	Performance	Timeline
	to piped water supplies and will in some cases help to manage surface and storm water flows. Sustainable water & energy supply systems are being investigated for the community allotment building to be constructed at the Meadoway allotment under the complementary Elevate Transforming Pennine Lancashire initiative.		
Lancashire County Council	Heysham Moss SSSI Restoration Project (Phase 2)	Improved condition of the mossland habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Phase 2 Completed July 2009
	Langden Head Moorland Restoration Project	Improved condition of the moorland blanket bog habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Completed September 2009
	Healey Nab Mire Re-wetting Project	Improve condition of mire habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Planned completion by 31st March 2010
	Aushaw Moss Restoration Project (Phase 1)	Improved condition of the moorland blanket bog habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Phase 1 completed July 2009
	Aushaw Moss Restoration Project (Phase 2)	Improved condition of the moorland blanket bog habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Phase 1 planned completion by 31st March 2010
	Edgerton, Bentley Moss & Hempshaws Restoration Projects	Improved condition of the moorland blanket bog habitat will help avoid carbon emissions (from eroding peat) and promote carbon sequestration.	Completed July 2009
Lancaster LSP	Additional LSP contribution to Arnsdale/Silverdale & Forest of Bowland AONB Sustainable Development Fund.	Arnsdale/Silverdale have allocated £48,278, Forest of Bowland have allocated £50,858.	
Lancashire Wildlife Trust (& Natural England)	Lancashire & Amoundness Plain Character Area - Climate Change Impacts Study - to identify the local responses required to safeguard our natural environment and our enjoyment of it. This includes		

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District / Organisation	Activity	Performance	Timeline
	assessing the potential for adaptation of the biodiversity, geodiversity, soils, historic environment, landscape, access and recreation of the Lancashire & Amounderness Plain National Character Area (NCA) to identified impacts (+ and -) of climate change. Similar projects are underway for the Morecambe Bay Limestones NCA (Cumbria/Lancashire) and the Forest of Bowland NCA (Lancashire/North Yorkshire).		
Pendle Borough Council	Planted 125 new trees across all types of Parks & Recreation Services managed land		March 2010
	6 of our 11 Parks have maintained their Green Flag Award. This includes a section on Sustainability and Conservation & Heritage. The Conservation & Heritage sections incorporates generic information on natural features such as tree management, biodiversity, wildlife, hard and soft landscaping, etc.		
	Working with LCC on joint introduction of new allotments at Bunkers Hill [as part of a potential social housing development], and Halifax Road area Nelson		
Pendle Leisure Trust	Working with LCC on a leaflet (funding from Natural England) to design and publicise walks on open countryside land throughout the borough that link in with bus routes		
Preston City Council	Contribution to BBC Breathing Places "Tree O'Clock" world record attempt	857 trees planted in Ahston Park in one hour	November 2009
Rossendale Borough Council	Establishment of urban flower meadows in place of mown grass verges.	Increased biodiversity and aesthetic value with positive customer feedback.	December 2009 with a view to increasing the area of meadows during 2010.
	Reduced mowing regime in areas where native flora provides a prefreed sward, e.g. cuckoo flower meadows or buttercup meadows.	Increased biodiversity and aesthetic value with positive customer feedback.	August 2009 with a view to repeating and increasing areas during 2010
	Use of permanent planting in place of annual bedding within cemeteries on graves with "perpetuity planting" payments.	Reduced cost of annual bedding requirements and reduction of transport of plants from nurseries.	October 2009 - but planting style to remain indefinitely
West Lancashire Borough Council	West Lancashire Free Tree Scheme	550 trees distributed throughout the borough to 125 residents	Completed

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District / Organisation	Activity	Performance	Timeline
	Coppice Woodland Project	1625 hazel trees planted by rangers and community groups	Currently underway
	Community food growing scheme	Community food growing, awareness raising	Ongoing
	Renewable Energy Capacity Study	None to date	Phase 1 Scoping report nearing completion.
Cross Cutting Opportunities: <ul style="list-style-type: none"> NI 197: Improved local biodiversity – proportion of Local Sites where active conservation management is being achieved Health and Wellbeing (Ambition Lancashire Key Priority) 			

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Adaptation

District / Organisation	Activity	Performance	Timeline
Blackburn with Darwen	As part of the National Indicator 188 "Adapting to Climate Change" Level 1 requirements, a Local Climate Impact Profile (LCLIP) has been produced which assesses how Council sections respond to extreme weather events and identifies any current vulnerabilities which may impact upon the service. Information from the LCLIP will then be used to inform the council's adaptation risk register in order to progress to Level 2 in 2010/2011 reporting year.	Completion by end of April 2010	
Burnley Borough Council	Delivery of NI188	Service delivery less affected by extreme weather events. Monitoring framework not yet established.	Target to complete Level 4 by 2012. Implementation ongoing after this date.
	Business Continuity Management - a comprehensive suite of Business Continuity Management plans in place to ensure that core services to the public can continue to be delivered in the event of disruption or an emergency, whatever its cause, including severe weather events.	The Corporate Business Continuity Management Policy and Plan is supported by individual Business Continuity Plans for each of the Council's 15 Service Units. The Council also requires its key contractors, notably Veolia Environmental Services (the street cleansing and refuse collection / recycling contractor) to maintain their own Business Continuity Management plans. These detail how the service will be adapted to cope with disruption from snow, flooding, high winds etc.	Target to complete NI188 Level 4 by 2012. Implementation ongoing after this date.
Chorley Borough Council	Offered training on Climate Change and its impacts on Chorley to Members and Chief Officers.		
	The Council's Climate Change action plan is currently being reviewed and refreshed. Through the business planning process, Policy and Performance will ensure that these actions are in Directorate Business Improvement Plans.		
	In conjunction with Chorley Borough Council, Lancashire County Council undertook a LCLIP study into the impacts of		

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District / Organisation	Activity	Performance	Timeline
	the weather on District Council services. The report to Executive Cabinet set out the actions that need to be taken next year to achieve Level 2 of NI 188 (planning to adapt to climate change)		
Environment Agency	Flood warning, Monitoring and incident response.		Continuous
	Protection of key species and habitats to increase resilience to climate change through: <ul style="list-style-type: none"> Habitat protection/creation during river maintenance and capital works Habitats Directive review of consents Fisheries habitat improvement projects and weir removal to allow migration Restoring Sustainable Abstractions (of water) preparatory legal work) 	Legal notices served 09/10	Continuous To March 2010 Ongoing 2010 - 2015
	Assisting communities to adapt through:- <ul style="list-style-type: none"> Production of Catchment and shoreline Flood Management Plans Capital schemes to reduce flooding Community floodwise advice groups Advice to planning authorities on PPG25, sustainable urban drainage systems etc Pilot project with Lancashire Fire & Rescue Service to promote sign up to flood warning system during home fire safety checks SCAMP 		2009/10 with view to extend to Ribble Valley 2010/11
Lancaster City Council	Achieving NI 188 Level 1		Completed by end of 2010/11
Lancashire County Council	Risk assessment workshops with LCC services to identify key vulnerabilities to extreme weather and climate change		
	Local Climate Impact Profile - ongoing monitoring and mapping of weather incidents for database		
	Development of Lancashire adaptation wizard to provide		

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District / Organisation	Activity	Performance	Timeline
	information about adaptation/risk assessments etc.		
	UKCP09 analysis and presentation of Lancashire projections		
	Awareness raising activities aimed at LSPs to encourage risk assessments and adaptation responses		
Lancashire Fire and Rescue Service	Local Climate Change Impact Profile	Achieved level one	March 2012
Pendle Borough Council	Risk assessments undertaken with service areas		March 2010
	Incorporating adaptation into Emergency Planning		March 2010
	Collating info on local weather patterns from 2004 in conjunction with Burnley council		March 2010
Preston City Council	Comprehensive risk assessment being performed of the Councils Services, in relation to incidence of extreme weather and the affects of climate change, with the aim of achieving Level 2 on NI188	No impact on CO2, all about preparedness for climate change	March 2010
South Ribble Borough Council	Risk assessment process started, aim to complete by end March 2010		March 2010 for this phase, work will move to a new phase in 2010/11
	Presentation to South Ribble Partnership on NI 188 and agreement for next steps for 2010/11		As above
West Lancashire Borough Council	Local Climate Impacts Profile (LCLIP) produced	Report produced highlighting the Council services vulnerabilities to weather and climate (Level 1 achieved)	Complete
	Comprehensive Risk Assessment (CRA) of the identified vulnerabilities to climate change. LSP involvement. Production of action plan to mitigate against identified risks	CRA in draft format.	Apr-10
Wyre Borough Council	Completion of phases 2 & 3 of Cleveleys sea defences		
Cross Cutting Opportunities: <ul style="list-style-type: none"> • Links to Economy (business resilience) • Housing & planning 			