



CLIMATE CHANGE ACTION PLAN

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Minute 240 refers.

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Foreword

As the Leader of Blaby District Council, I am determined that we should be at the forefront of sustainability thinking and practice in Leicestershire. Climate Change is the biggest sustainability challenge of all, therefore Blaby District Council (BDC) have made a commitment to tackle this crucial and complex challenge.

In December 2006 we signed the Nottingham Declaration. The Nottingham Declaration accepts the reality of climate change and commits signatories ‘...to tackling the causes and effects of climate change on the locality’. This acted as the springboard to create the impetus to publicly show the strong commitment BDC have developed in aiding its personal battle to tackle Climate Change.

The Action Plan has been developed to complement BDC’s Sustainable Community Strategy (SCS) and deliver critical projects contained within BDC’s SCS. This provides a framework of actions committing the Council to address climate change within all the Councils’ key services across all sectors. Subsequently, these links will provide a way to raise awareness of Climate Change, district wide to gain public, community, businesses, voluntary and individual involvement, with the lead and impetus developed by the Council.

To reflect the ever changing technologies and new research this Action Plan will be kept as a ‘living’ document, which can be revised and updated, to ensure it is kept relevant and is developed with an adaptable approach thereby envisaging accomplishments of long term goals.

The Kyoto agreement created a target of a 12.5% reduction in greenhouse gas emissions by 2012. The UK has committed to far exceed this agreement and aim for a 20% cut in greenhouse gas emissions by 2010 and 80% by 2050. However at present the UK is now exceeding the 1990 levels of carbon dioxide by over 5% therefore leading to an even greater challenge for us all.

It is however suggested by the New Local Government Network (who promote the modernisation of Local Government) that if the right strategic choices are made now, Local Government has the potential to reach the government’s 80% carbon dioxide (CO₂) reduction by 2025, 25 years early; therefore suggesting that the scale of the challenge is not only large, but immediate. The Intergovernmental Panel on Climate Change (IPCC) state that the world has a window of opportunity over the next 10 to 15 years in which global measures must be put in place, where carbon emissions will be allowed to peak, and then start to decline. Therefore all local authorities will be faced with today’s climate change mitigation challenge as well as tomorrow’s adaptation challenge.

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We have recently made progress, and I am very grateful for the work done by The Members Group and Officers. However there is still a considerable amount of work to do.

We welcome any feedback, ideas or suggestions relating to this document.

**Leader of the Council
Cllr Ernie White**

Please email comments and ideas to
climate.change@blaby.gov.uk

Or send them to

Blaby District Council,
Environmental Protection Group,
Council Offices,
Desford Road,
Narborough,
Leicester,
LE19 2EP

“The energy we consume, the land we use, the air we breathe, the water we drink – sustainability and acting upon the immediate challenge presented through climate change requires leadership and commitment at all levels as it has now become an increasingly strong recognition that we share a civil responsibility not only to each other now, but also to future generations. I welcome Blaby District Council’s Climate Change Action Plan as a step in the right direction, and look forward to seeing work begin on a low-carbon future for the Council.”

**Comments by Cllr Guy Jackson Climate Change Champion and Portfolio Holder
For Sustainable Environments.**

Climate Change Action Plan Aims

1. **Propose** measures to ensure the Council will comply with, and exceed where possible, the CO₂ targets from Central Government and those set by the Kyoto agreement.
2. **Promotion** of sustainable development and influencing adaptation.
3. **Raise awareness** of climate risks and opportunities across all sectors.
4. **Provide** simple information that is accessible for all.

This Action Plan has been developed to identify areas which are to be tackled having regard to timescales. However it will also be kept as a working document, thus allowing changes and new actions to be inserted to reflect new technologies and policy developments, while allowing us to develop future goals to help raise awareness within the district and local businesses.

Our actions and targets are also aligned to the Council's Sustainable Community Strategy and will influence priorities and policies within the Local Development Framework for Blaby District Council which is currently being developed.

What are the local impacts of Climate Change

Local Authorities provide many services that will be affected by climate change. The "UK Climate Impacts Programme (UKCIP) climate scenarios project" demonstrates that we can expect to have wetter winters, hotter and drier summers and more frequent extreme weather events such as storms and flash flooding which could cause more regular power cuts due to electrical storm damage. These are likely to have implications for many essential facilities and services.

On a local basis, there have already been increased incidents of localised flooding arising from heavy flash floods. In addition, prime locations for housing may be lost due to rivers or water courses that in the past would not normally flood, now flooding on a regular basis. It is also predicted, that summers will be much hotter, with regular periods of drought and the associated problems that come with this, such as crop failure, livestock death and disease.

It has also been observed locally that there are an increased number of bursts of prolonged periods of high winds which can cause local business continuity disruption, ranging from incidents of local power cables snapping to fallen trees causing road blockages, to whole roofs being destroyed or ripped-off through mini cyclones hitting secular streets. Although these incidents cannot be specifically attributed to climate change the Environment Agency suggest we can now expect that "Extreme weather events will become more frequent and more dangerous".

Why act on Climate Change

The Government is committed to a 20% reduction in CO₂ emissions by 2010 and a 80% reduction by 2050 based on the emissions baseline figures created in 1990. However levels of CO₂ have been increasing since 1997, therefore it is recognised that an even greater and more urgent effort is required to reduce emissions in line with Government targets. Most importantly the UK and the world need to catch 'the window of opportunity' (the next 10 - 15 years) and reduce emissions significantly to prevent catastrophic irreversible changes within the world's climates.

The nature of the problem intensifies the challenge to policymakers in the UK and other countries. If greenhouse gases came from only a few identifiable sources, it would be a relatively easy task to reduce them. However greenhouse gases come from many disparate sources that need to be tackled in the UK; road transport, energy industries, other industries, residential, and other (mainly commercial and public sectors).

As well as reducing emissions, positive actions relating to reducing greenhouse gases have a number of benefits to humans including their wellbeing, socio and economic health, financial and environmental benefits.

The UK has the highest number of avoidable deaths related to the winter cold and fuel poverty, which is where individuals have to spend more than 10% of their income to heat their homes. It is estimated that around 24,000 older people die a year, during the winter months, because they often cannot afford to heat their homes, or associated problems of ill health related to cold damp living conditions. Therefore it is known that if the homes concerned were able to reduce their emissions, and therefore energy usage through a range of energy efficient measures such as loft insulation, tank lagging or fitting more efficient boilers, this would reduce their overall costs and give them smaller energy bills. The Council has adopted an 'Affordable Warmth Strategy' (AWS) and progress with this will be reviewed to ensure there will be positive outcomes within the next year.

Businesses, will find that as they become more energy efficient, financial savings will follow, enabling higher levels of competitiveness (or profits) as these cost reductions could be passed onto their customers. They would also be able to advertise to their customers, their commitment to their green credentials. In addition, by improving public transport links, more equal access would be available to a wider range of services. However conversely as extreme weather increases, and flooding and coastal erosion becomes a more severe problem, we must act now to preserve the future in order to minimise or reduce the costs and effects from potential flood defence and insurance cost rises for both individuals and the Government.

The UK is now investing more money into renewable energy sources, in particular wind power, as it is known that the UK has the largest source of wind power in Europe. Currently the UK has set itself a target to reach 10% of its total energy to be supplied by renewable sources by 2010, and 20% by 2020.

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What are we doing to tackle Climate Change

Blaby District Council's Climate Change Action Plan aims will be achieved by tackling six major areas; Energy, Transport, Waste, Procurement, Raising Awareness and Adaptation. Changing everybody's behaviour will play a very important role as large reductions would be achieved if simple behavioural changes were made and some basic energy efficiency measures were put into place.

Central government is also developing new approaches. The Climate Change Bill will set five-year; legally binding targets for reducing UK carbon emissions. These state that emissions should be reduced by 26-32% by 2020, and by 80% by 2050 compared with 1990 levels. Ministers will be required to report annually to parliament on progress against these targets.

The Climate Change Action Plan will be launched in October 2008, and will commence with the completion of the actions aimed at generating the greatest CO₂ benefit with the smallest cost and shortest timescale. These are the actions coded with three green dots. Future focus will be dictated by CO₂ benefit.

BDC are obliged to achieve performance targets on two National indicators specifically related to Climate Change; NI185 and NI188.

NI 185- Percentage CO₂ reduction from Local Authority Operations.

The aim of this indicator is to measure the progress of local authorities in reducing CO₂ emissions from the relevant buildings and transport used to deliver their functions and services and to encourage them to demonstrate leadership on tackling climate change.

NI185 Targets agreed through the Local Area Agreements

(2008/09)	Year 1 – baseline data collection
(2009/10)	Year 2 – 4% reduction
(2010/11)	Year 3 – 4% reduction
(2011/12)	Year 4 – 4% reduction

NI 188- Planning to adapt to Climate Change.

The aim of this indicator is to embed the management of climate risks and opportunities across all levels of services plans and estates. It is a process indicator which gauges progress of an LAA. Evidence will be required of the local authority putting in place a mechanism for proactively managing climate change risks and opportunities in their decisions, plans and measures on the ground. In addition working with their local strategic partnership members to embed climate change adaptation across the local authority area.

NI188 Targets agreed through the Local Area Agreements

(2008/09)	Year 1 – Level 1
(2009/10)	Year 2 – Level 2
(2010/11)	Year 3 – Level 3

Level 1- Public commitment and prioritised risk-based assessment

Level 2- Comprehensive risk-based assessment and prioritised action in some areas

Level 3- Comprehensive action plan and prioritised action in all priority areas

Level 4- Implementation, monitoring and continuous review

Blaby District Council carbon dioxide baseline emissions (2007)




On the basis of the information obtained from 2007 data the following can be estimated (all expressed as carbon dioxide equivalent – CO₂e):-

- Council buildings and leisure facilities – total of 1,620.22 tonnes
 - Main Council Offices – 312 tonnes
 - Littlethorpe Depot and workshops – 194.72 tonnes
 - The Pavilion – 133.23 tonnes
 - Enderby Leisure Centre – 940 tonnes (estimate based on floor area and swimming pool)
 - Blaby Outreach Offices – 40.27 tonnes
- Landfilled waste – 143,300 tonnes based on 20,425 tonnes of material deposited as landfill during 20/07/08
- CCTV and lighting for car parks – 5 tonnes
- Council's vehicle fleet (HGVs and LGVs) – 840 tonnes
- Essential, casual and lease cars – 60 tonnes
- Housing stock – 13,751.6 tonnes (based on an average 6.2 tonnes per household and 2218 houses)
- Staff commuting – 631.18 tonnes (based on 2006 staff travel survey)

The total per employee has therefore been estimated as 6.33 tonnes.

Key

This key has been developed as a 'traffic-light' system to identify the timescale, cost and CO₂ benefit for each developed action within each of the six sections within this report.

<u>Key</u>	<u>Timescale</u>	<u>CO₂ Benefit</u>	<u>Cost</u>
	6-9 months	Large	£0 - £1000
	10-18months	Medium	£1001 - £5000
	More than 19 months	Small	More than £5000
	First box for an action shaded indicates action commenced		
	All boxes for an action shaded indicates action completed		

Key theme 1 – ENERGY













Reducing the use of fossil fuel based energy is crucial to reducing greenhouse gas emissions. We use energy to heat and light our homes, streets and businesses.

It is known that the energy usage and loss within and from buildings is one of the largest carbon dioxide producers in the UK. Therefore reducing the use of fossil fuel based energy and tackling the unnecessary energy loss within buildings is crucial to reducing greenhouse gas emissions.










We can and will reduce our carbon dioxide emissions by;

- Becoming more energy efficient and reducing the amount of energy used in everyday operations.
- Explore opportunities involving creating and using renewable energy in and around the district.










ENERGY

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
E1	Consult on, and then set a policy target for on site renewable energy use in new developments, initially working towards 4% reduction in CO ₂ by 2008/09 then another 4% in 09/10.				Env. Protection/ Key Members/ Local Partners/ Planning	Works on renewable projects continue – currently in 2010 the Council opened the new Thorpe Astley Community Centre with many renewable implementations. The Council will also be considering solar PV as an asset for the future.
E2	Develop planning policies in the LDF to move towards zero carbon developments. Agree a baseline for CO ₂ emissions of a typical building, consult on a target on the reduction of CO ₂ emissions for new developments, seeking year on year reductions in CO ₂ emissions.				Env. Protection/ Key Members/ Local Partners/ Planning	The Core Strategy now continues to be progressed, and planning policies begin to move forward in the LDF to move towards low or zero carbon developments.
E3	Consult on a requirement to encourage for BREEAM excellent or equivalent standards for all developments and the Code for Sustainable Homes.				Planning/Building Control	BREEAM is the environmental assessment method for buildings. It sets the standard for best practice in sustainable development and demonstrates a level of achievement.
E4 ongoing	Consider opportunities district wide to obtain energy from renewable sources for				Env. Protection/ Assets	Ongoing to constantly take opportunity of new technology. Screening study commenced




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	Council Assets.					with PfR. Initial study completed Nov 08. 1 site identified for further screening subject to BDC consent. Site now deemed unsuitable due to close proximity of housing and ownership of land. Further screening study undertaken to look at installing photovoltaic cells on Council assets – Aug 2010. PV cell screening completed.
E5	Help householders and businesses to make use of small scale solar, wind and other appropriate on-site renewable technology.				Planning/Env. Protection	Signposting information. Advisory note for minor developments, including a list of renewable energy supplies/installers.
E6	Provide double glazed windows for all suitable Council buildings.				Assets/ Housing	Jan 2009. This has now been completed for all appropriate / suitable windows. (Members working group meeting 10 th Dec 08)
E7 ongoing	Implement a Home Energy Efficiency Strategy to improve the energy efficiency of housing in all sectors in the district.				Housing/Env. Protection/Building Control	Need to achieve a 30% improvement in the energy efficiency of housing in all sectors over a 15-year period in accordance with the Home Energy Conservation Act target. The New government Green Deal will be considered to help implement the area of work Jan 2011.




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E8	Instigate a feasibility programme to replace old light fittings on street lights and lights on Council owned buildings and car parks.				Env. Protection/ LCC	Replace all day burning street lights over a 3 year period. New car park lighting which is owned by BDC is replaced with more efficient energy lighting when replacement is required. Within the assets, under the adopted CMP (Carbon Management Programme), a roll-out programme to replace old T8 to newer T5 lighting has been put in place for Council assets. The County is now switching off street lighting during the night to reduce CO ₂ .
E9	Investigate the potential and benefits for using on-site renewable technology for street lighting, traffic lights and bus stops etc (with Leics. County Council).				Env. Protection/ LCC	All new pay and display machines within the district have been installed with solar panels.
E10	Review the availability of renewable energy power supplies with Leicestershire County Council when the contract for unmetered street lighting is due for re-tendering.				Env. Protection/ LCC/Assets	Investigate renewable energy supplies for unmetered street lighting by Sept 11.










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<p>E11 ongoing</p>	<p>Implement a policy to investigate and initiate the potential of power saving devices, lighting types and controls (in all Council buildings) and comfort cooling control systems. Begin a 'Switch it off' campaign initially within the Council buildings with the help of the Energy Savings Trust.</p>				<p>Env. Protection/ Carbon Trust/ Assets</p>	<p>A Switch it Off campaign ran as a trial on 17th March 2008 in conjunction with the County Council and other districts. As it was a success across the County, it was scheduled again for Oct 2009 for 1 week with an emphasis to get schools businesses and the local community involved. The Big Switch Off ran again in Oct 2010 for 1 week, again a success. Switch it Off Friday and a switch it off every night has been implemented for the Council as part of the Time 4 Change programme – an energy saving programme aimed at engaging all staff – to reduce Councils energy usage by 10% by Feb 2011. (This target was achieved and surpassed by Dec 10). A project working group was set up and a forum installed to engage with staff and get more useful ideas. Also energy display boards were installed within Council buildings to allow staff to track developments and results of their energy saving efforts. Recommendations for power saving devices/energy savings ideas sent to Building Control. As</p>
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						a result a programme of various works under the CMP have been agreed with time scales.
E12 ongoing	Encourage all BDC employees and members to work out their own Carbon Footprint on the DEFRA website online and explain the significance/how they can individually save money taking the measures advised.				Env. Protection/ Carbon Trust	Articles in Pulse and Blaby Chronicle linked to prize draw for eco kettle (Chronicle published 7 th Jul 08, competition closed 1 st Sept 08). Further education programmes followed during The Big Switch Off week in Oct 09 where BDC main offices saw a reduction of 48% during the event. 'Paper cut' has been introduced to all employees computer so they can see how much printing they do everyday. They are also able to view their Carbon footprint usage from printing, and the amount of energy used can be viewed as the % of a tree used from printing activities as well as the running time of a light bulb for equivalent energy usage. (Also see comments above for action E11). The Office Challenge results were announced to departments end of Dec 10 though a staff engagement




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						event, additionally education provided and thought provocation/ physical activities carbon education using the 'Carbon gym'.
E13	Implement a strategy to help minimise waste water e.g. SUDS and grey water schemes.				Env. Protection/ Assets/Key members	Being considered as part of the new 'Time 4 Change' programme.
E14 ongoing	Provide energy efficiency advice to the public and businesses. This could be through specific complaint work - e.g. light complaints get advised about energy efficient lighting.				Env. Protection	Public (including local businesses) are currently being engaged through the Big Switch Off week during Oct 2010. Additionally, a KTP project has been set up in partnership with the County, and RRC (Rural Community Council) to help community groups within Enderby to instigate energy saving or carbon reduction projects. Energy saving lightbulbs sourced & allocated to individuals within the District on Benefits or over 70 years of age.
E15 ongoing	Examine the use of space heating controls/ door controls (depending on the heating system) in boiler systems in all Council owned buildings				Env. Protection/ Assets	As part of the CMP works, this has been programmed in for 12/13 financial year for the future of carbon saving within Council Assets. Currently this is expected to be too costly in future years due to the Council old heating systems & since the Local Government cut backs

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						(Jan 2011).
E16	Make alterations to the workshop compressed air system at the Littlethorpe Depot				Neighbourhood Services/Assets	Completed as part of the annual service 2009.
E17	Fit timers to all vending machines throughout the Council buildings				Assets	This was completed as part of assets work by end of financial year 08/09.
E18 ongoing	Review and deliver BDCs 'Affordable Warmth Strategy'				Housing	A project was set up around the district to advertise the Affordable Warmth Strategy in conjunction with climate change. It was designed to target members of the public using advertising space both on the inside and outside of buses which drive through the district (adverts released 22.12.08). A web page was also setup for more information (Went live on 12.12.08) (the web page was advertised on the bus adverts). An officer was been employed to deliver this strategy and reduce private sector housing energy usage. Further advertisement was given at a number of events round the district in 2009. A national broadcast was given on

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						BBC news in the first quarter of 2009. Further the Central Government Green Deal is expected to replace this scheme over the coming months, further announcements expected mid 2011, initiation expected 2012.
E19	Introduce Building Management Systems (BMS) for the Council buildings				Env. Protection/ Assets	A BMS ensures the system is working to optimum performance and typically reduces energy costs by 15%. All Council natural resource usages are now being recorded since May 2010 weekly across all assets. A Natural Resource Officer Group was set up to get buy-in and ownership from all relevant management. Energy usage data is provided monthly to Management Board (since June 2010) to allow discussion of how to reduce consumption further and monitor anomalies to control usage better. As a result, automated meter readings will now be installed a 3 of the Council's main operational sites – the Main Offices, Depot and Pavilion. Hand held loggers will be provided for other sites of interest. Expected to installed/operational by end March 2011.

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Key theme 2 – TRANSPORT

25% of the UK carbon emissions are produced by transport. Forecasts of carbon dioxide emissions by end user suggest that transport's share of carbon dioxide emissions could rise from 23% in 2000 to 29% by 2020. Total carbon dioxide emissions are forecast to fall by around 6% over this period, with the exception of a small increase (3%) in the business sector. Transport is the only sector with rising emissions according to defra projections on transport.

Therefore in order to reduce our impact, the Council will implement a wide range of policies and programmes.

These measures include developing the Council's own travel plan and working with major local businesses including key partners, to help develop their own travel plans which will reshape the way people travel within and outside the District.

In addition, Travel Plans, are now required to be included as part of most new large scale developer planning applications.










School Travel Plans will also be supported by BDC and their uptake will be encouraged.

BDC are looking at changing people's attitude through the promotion of increased use of buses, cycling and walking. This will be done through planning policies and by providing easily accessible information both in paper and electronic format on the website, therefore allowing information to become more readily available to residents and others passing through Blaby District.










BDC are examining the idea of introducing car club(s) within the district, for the Council, its businesses and residents to help reduce the number of vehicles on the roads within the district at any one time. Also the vehicles available within the car clubs will generally be expected to lower emissions and have a higher quality maintenance schedule as opposed to the average privately owned vehicle.

At present a large proportion of the Council's carbon footprint is associated with its fleet and in particular its heavy goods vehicles within the fleet, and the fuel used by them. However, much of the fleet provide vital services to the residents within BDC such as district cleansing and open spaces maintenance. Therefore as part of BDC's Climate Change transport policies, we will investigate the use of alternative fuels such as Compressed Natural Gas (CNG).
















TRANSPORT AND CLIMATE CHANGE

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
T1 ongoing	Carry out and analyse Council Staff Travel Survey results to establish targets for staff travel. Repeat on a biannual basis.				Env. Protection	Survey commenced during July 2008. Analysis of data was completed during Aug/Sept 2008. A Green Travel Plan was adopted for the Council on 02 Feb 09. A further staff travel survey currently being undertaken – open to all members of staff until Feb 2011.
T2 ongoing	Work with businesses, stake holders and key partners on Travel Plans.				Env. Protection/ Planning	Work in this area has begun through the BDC Travel Plan. All businesses around the Grove Park area were invited and some are now involved in a Travel Plan trial instigated by Leicestershire County Council and BDC to help with Travel Plan issues in the area. A Business Breakfast was provided for all site area occupants in May 2010, another held in July. Now projects and scenarios are being negotiated with local businesses in the area Jan 2010.
T3	Develop and implement a Travel Plan for the Council to promote sustainable transport direct to individuals and businesses.				Env. Protection/ Key Members	A Travel Plan for BDC was adopted in March 2009. Now being revised and updated (Jan 2011).







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









T4 ongoing	As part of the Travel Plan initiatives, revise the 'home working' policy for BDC employees, look at car sharing initiatives/incentives.				Env. Protection/ Human Resources/ICT	This is currently under review with HR. In addition, new Home Working facilities have been updated through IT. A car sharing trial was set up at BDC main offices and launched on 01 st July 2010. The Green Travel Guide was launched for employees – all those who travel to work any way other than single car occupancy will be put into a competition to win first class tickets to London (donated prize) closing Apr 11. Further competitions to follow.
T5	Encourage larger local businesses to actively consider car clubs as a sustainable alternative to fleet vehicles.				Env. Protection/ Human Resources/Key Members	Sep 2009, initially work with larger businesses to maximise the benefit. Car clubs were considered unviable for the BDC, however they will be suggested to other larger businesses within the district if considered potentially viable as an option.
T6	Improve the availability of information both internally and externally about car clubs, their benefits and how individuals can access local car club members/operations locally.				Env. Protection/ ICT	To be suggested as part of the Grove Park trial. Current Leicester City models being explored for the District and to be suggested to County for partnership working.

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





T7	Work in partnership with LCC and local schools to increase their uptake of sustainable travel plans.				Env. Protection/ LCC	All schools in Blaby District to have a Travel Plan by 2012.
T8	Investigate CNG as an alternative fuel for the fleet.				Env. Protection/ Neighbourhood Services/Key Members	The investigation has now been complete and CNG is not a suitable fuel for BDC at this time (19.02.09) due to large costs for unit installation and setup.
T9 Ongoing	Advertise smarter driving tips to public/businesses and on internal internet system.				Env. Protection/ Institute of Advanced Motoring (IAM)	Rolled out as part of new Time 4 Change initiatives where hints and tips are provided as part of the campaign using Councils intranet and energy board displays. Members of staff receive weekly tips.
T10	Undertake a Green Fleet Review with the Energy Savings Trust.				Env. Protection/ Neighbourhood Services/EST	The review was completed (3 rd Apr 08), recommendations have been submitted. Recommendations have been included in both the Climate Change Action Plan (Dec 08) (adopted Oct 08) and the Green Travel Plan (adopted 02 Feb 09).
T11	Investigate possibility of signing up to the new 'Motorvate' scheme released by the EST to encourage BDC to reduce its carbon emissions and take provisions advised to reduce carbon emissions.				Env. Protection/ Neighbourhood Services/EST	Council signed up to the Motorvate scheme in partnership with the Leicestershire County Council and other associated authorities. Processes have now been put in place to better monitor Councils fuel usage through the Merrydale recording

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						system. Council was awarded a Silver award in Nov 10 for reducing transport emissions by just over 10% in last year. Further actions being considered & implemented through Travel Plan & Climate Change Action Plan.
T12 ongoing	Promote and provide easier access to information on cleaner cars, either directly at the point of vehicle selection or more widely through Council media so employees gain a greater awareness of the financial benefits of more efficient vehicles.				Env. Protection/ Finance/ Procurement	Several Cars have been trialled at the Council Offices which have been available for all staff to utilise and test. As a result there was an increase in the number of Lease users undertaking newer more fuel efficient cars under the scheme. Lease car scheme now closed to new members (Dec 10) & existing will run to end of contracts. Council to provide loans for staff cars under 165g CO ₂ using a sliding scale of efficiency for loan value.
T13	Examine lease car and essential user policies with employees to see if a CO ₂ benchmark can be introduced for all new vehicles.				Env. Protection/ HR/EST/Key Members	The lease car user policy was recently changed in the new financial year, along with new governmental guidelines for 08/09. In light of the cuts to government spending, the lease car scheme is now closed to all new members – Dec 10.







T14	Establish an average CO ₂ emissions target for the end of the next complete fleet replacement cycle.				Env. Protection/ Neighbourhood Services /Key Members	Currently being reviewed in line with National Indicator targets. All new Refuse vehicles meet current Euro standards. The fleet is replaced every 5 years on a rolling scheme.
T15	Examine possibility of introducing a salary sacrifice scheme for a 10% band for vehicles with emissions under 120g/km of CO ₂ .				Env. Protection	This will enhance the savings made by the employee/ employer (tax/NI). Lease cars have had a 180g/km of CO ₂ band developed within the scheme (Cabinet Report 28 th Aug 08 Item 180). The salary sacrifice scheme is being considered by HR and will commence with CO2 banded caps of 65g/km and introduced in financial year 11/12.
T16	Carry out fuel vehicle and operational requirement analysis for replacement vehicles together with fuel efficient comparisons to ensure they are fit for purpose, meet H&S requirements, maintenance costs etc.				Env. Protection /Neighbourhood Services	Part included in T12;T14;T20;T21 and T22.
T17	Trial a telematics system across the commercial vehicle fleet to establish the scope of potential savings, implement if savings proven.				Env. Protection/ Neighbourhood Services	Estimated 5-10% savings are achievable. Telematics system was installed in all Depot LGV vehicles in Nov 08. Another trial has now been implemented due to lack of data. Vehicles currently recording data













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						Jan 11. subsequently, evaluation of this has been done and no cost savings were seen. The telematics system has now been removed from the fleet.
T18	Investigate the feasibility of incorporating electric and hybrid vehicles into the commercial fleet.				Env. Protection/ Neighbourhood Services	An electric vehicle and CNG vehicle have both been trialled by the Commercial fleet manager by May 2010. Currently neither are seen as viable options due to initial cost of units and additional associated infrastructure installation costs. With new government policies, electric vehicles are being considered further Jan11.
T19	Implement active fuel management programme; monitor driver and vehicle fuel consumption regularly, investigate and address exceptions, performance related reward schemes.				Env. Protection/ Neighbourhood Services	A change in data collection and usage has been made (Oct 08). This is being carried out as part of the Motorvate scheme (Action T11). Driver training was provided in Mar 08 and Mar 09 (SAFED) then Jan-Mar10 – Smarter Driving course to help drivers drive more fuel efficiently and safely. All Essential users were given the training as well as all Depot drivers. A simulator was provided for all other members of staff in the Council (Jan 2010).










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T20	Investigate possibility of introducing a video/audio conferencing facility at the main sites and look to work with other key partners to establish a wider network.				Env. Protection/ Key Members/ Partners	BDC have looked at the costs of a video conferencing system (08/09), currently cost prohibitive if undertaken on own, due to lack of potential usage, however, Leicestershire County Council have provided RIEP funding for all Leicestershire authorities to enter into a 1 year trial to undertake the installation and provide costs for all phone-calls for the video conferencing system. Installation will be completed by end of March 2011. There-after, a cost-analysis will be undertaken to see if continuation is cost-effective.
T21 ongoing	Carry out individual driver risk assessment, check driving licences more frequently. Make informed choices about driver training (SaFED) and vehicle purchase.				Human Resources/Health and Safety	SaFED training carried out with all LGV drivers. A new form with updated information has been requested for all current Casual/Essential vehicle drivers to update information on the system and help finalise a more accurate figure for BDCs Carbon footprint for financial year 08/09. T23 Also links with actions from the Green Travel Plan (launched Feb 09). (Also see action T19).




T22	Promote increased use of buses/cycling/walking through planning policies and by providing easily accessible information both in paper and electronic format on the website.				Env. Protection/ LCC/Key Partners/Human Resources/ Planning	Bus information is now provided on BDC corporate map for visitors. A cycle route map is being developed by the County available for release in Mar 11 to incorporate cycle routes around Blaby District. Bus/cycle/walking are all promoted by BDC as part of the Green Travel Plan. A personal Travel Plan Guide has been developed, issued to all members of staff Dec 2010 to help provide informative information on how all staff may travel to and from work, and between sites during the working day. Cycle mileage provided by BDC to staff up to a 6mile round trip (Mar 2010).
T23 Ongoing	Further examine partnership working with bus/train companies to look at routes and general start-work times for staff. In addition assess whether a service bus may be an option for certain areas.				Env. Protection/ Key Partners	Service bus considered through partnership work with other local businesses – currently unviable due to Competition laws against local bus firms already operating in the areas considered. Further negotiation with local bus operators continues as part of the Fosse Park Travel Plan work with Leicestershire County Council.

T24	Seek price discounts through salary sacrifice schemes and awareness campaigns, alongside a review of a low cost loan scheme to help staff purchase bicycles, public transport season tickets, motorcycles or alternative fuel conversion for their car.				Env. Protection/ LCC/Key Partners/Human Resources	This is now being examined in conjunction with Blaby District Council's Travel Plan. A Development Board report was written 22 June 2009 to examine various salary sacrifice schemes, comments are being awaited from HR.
T25 Ongoing	Participate in relevant awareness campaigns throughout the year e.g. 'Bike Week' 'In Town Without My Car' and 'Walk In to Work Out' and 'Leave your car at Home day' with incentives.				Env. Protection/ Communication/ Human Resources	Relevant awareness campaigns are participated at BDC, in 2009 Bike Week and The Big Switch Off were used, same for 2010, but walk to work week and Cycle Challenge 2010 also participated in. Others maybe considered in the future, if relevant at the time of the campaigns.
T26	Undertake a 'safe routes' review of walking and cycling routes. Examine areas where bus shelters may be needed or the use of 'StarTrack' to give real-time bus information for the larger towns or villages within the district.				Env. Protection/ Neighbourhood Services/LCC	Leicestershire County Council currently reviewing and mapping cycle routes across the whole of the County.
T27	Develop ways to encourage cycling whilst on business through a cycle mileage policy.				Env. Protection/ Human Resources/EST	A Development Board report was written for this and has now been accepted. An introductory rate of 60p/mile has been given for up to a 6mile round trip. The purchase of Council bikes is

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						currently being investigated (Aug 2010).
T28	Look at the option of having pre-paid bus tickets for work journeys to the city centre.				Env. Protection/ Human Resources/LCC	Bus travel is currently being considered as part of the Travel Plan actions. In addition, all tickets are reimbursed if an employee uses a bus for travel during the working day. Pre-paid bus tickets will be awarded to members of staff taking part in future Green travel guide initiatives.
T29	Review the Flexible Home Working Scheme to examine its suitability, to be extended to more staff members.				Env. Protection/ Service Managers/Human Resources	Currently under review (2009 and Aug 2010). Members of staff work from home (some on an add-hoc basis Jan 11).
T30 Ongoing	Provide new or seek improvements to existing train stations in the District..				Planning/LCC/ Key Members	Funding (Approx £180,000) was obtained to improve parking facilities at Narborough station. Narborough car park has been relayed and remarked to provide improved parking facilities, and secure cycle parking. Narborough station car park extension & redevelopment was funded by LCC & EMDA, completion was finalised in 09. Discussions are progressing to provide a new station at Blaby. This will be a very lengthy process (Apr 2009).

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T31	Ensure that Planning guidance supports development that is capable of accommodating more sustainable forms of transport (walking/cycling/public transport)				Planning	This is supported by the Planning department.
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Key theme 3 – WASTE










Waste treatment including landfill generated 22% of the UK's methane emissions (one of the most potent greenhouse gases) in 2003. Under the Kyoto Protocol which was first agreed in 1997, each of the developed nations participating (including the UK) has set their own target reduction in greenhouse gas emissions of 20% below 1990 levels for 2020, and a longer term goal of 80% below 1990 levels by 2080. The EU has set an 8% target by 2008-2012. Blaby District Council have developed their own local targets under the Local Area Agreements of reducing in-house emissions by 3% per year from 09/10 to 11/12 under the remit of NI 185. National Indicators however have now been abolished by the current Coalition government (Oct 10). All Councils are still currently awaiting new instructions from Central Government (Jan 11).

The manufacture of products and packaging which are eventually discarded (usually onto landfill sites) release vast amounts of CO₂ in the extraction of the raw materials, then their processing into useable products releases more CO₂, and finally their shipping or transporting to the retailers shelf also vastly increases the finished products footprint. At the end of the product or packaging's natural life, it is often deposited onto landfill sites, where the breakdown can take hundreds of years; this natural degradation process again releases more CO₂. If at the end of their natural life, products and packaging are sent to recycling centres, the materials can be reused, reducing the amount of CO₂ released into the environment. Therefore the way in which we manage our waste has a direct impact on climate change.








To minimise the impact of our waste management practices on climate change we therefore need to focus on the following processes;

- Reduce the amount of waste we produce as waste reduction is the most effective way of reducing greenhouse gas emissions, as it eliminates the need for energy intensive mineral extraction, manufacturing processes and transport of products and waste. Therefore BDC will examine the feasibility of the development of an infrastructure to reduce waste miles and maximise recycling rates through a suitable facility.
- In addition, BDC needs to maximise its recycling rates.
- Finally, we will examine waste and recycling policies to ensure BDC is doing everything it can to respond to the challenges of climate change. As there is much cross-over between tackling waste issues and incorporating these with other areas of the action plan, some areas associated with waste may be tackled in conjunction with other area of activity elsewhere within the action plan.










WASTE AND CLIMATE CHANGE

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
W1	Examine feasibility of infrastructure development to reduce waste miles and maximise recycling rates.				LCC/ Neighbourhood Services	
W2 Ongoing	Explore the possibility of providing a materials recovery facility/waste transfer station and looking at having a joint station with other local authorities.				Neighbourhood Services/Key partners/Elected Members	Partnership working is commencing and still at discussion stage with LCC. Negotiations to potentially share the Whetstone transfer station site are being progressed for BDC to be provided with a new Depot.
W3 Ongoing	Introduce recycling collections to all council operational buildings and schools, through implementation of a waste strategy and corporate refuse and recycling contracts.				Neighbourhood Services/Elected Members	LCC continue to undertake a waste audit of all LA sites. BDC offer paper/card, glass, plastic and can and plastic recycling to all schools. This is still being promoted and encouraged through the new Education newsletter (joint venture LCC & Districts). A Partnership with Glen Parva Young Offenders facility is developing well. In addition to collecting paper/card and textiles, we now collect end of life work boots, furniture, wood and metals. Education of inmates and on-wing recycling

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						will be introduced in the next couple of months.
W4 Ongoing	Examine the feasibility of establishing kitchen waste collections.				Neighbourhood Services/Elected Members	Encouraging through home composting and LCC food digester campaign. BDC also help to advertise LCC composting schemes. BDC are working with LCC to promote “Love Food, Hate Waste “ campaign, to encourage residents to only buy what they need and to utilise leftover food, rather than throwing away.
W5	Extend the recycling facilities around the district.				Env. Protection/ Neighbourhood Services	Introducing additional materials to kerbside collection from April 2009 (foil and batteries). Additional foil and battery recycling points at Blaby Outreach & Council offices. The Council is Introducing additional plastic items, including yoghurt pots, margarine tubs, film; and aerosols to kerbside scheme in April 2011.
W6	Reduce the impacts of business waste, set up business schemes to encourage participation in ‘environmental excellence’ initiatives.				Env. Protection/ Neighbourhood Services	Neighbourhood Services are currently involved in a District Wide Campaign to tackle business waste in the domestic waste stream. Examples of where this has been tackled are

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						fly tipping, business duty of care etc. Also offered to the business trade is paper/card plastic, can and glass recycling collections.
W7 Ongoing	Examine waste and recycling policies to ensure BDC is doing everything it can to respond to the challenges of climate change.				Env. Protection/ Neighbourhood Services	Ongoing.
W8 Ongoing	Run a real Nappy Campaign in the district of Blaby.				Env. Protection/ Neighbourhood Services	Contact made with nappy advisor and work is being done to start regular Nappy Campaign in district. New Children's Centre at Huncote has been identified as an ideal location for regular Nappychino meetings. This is currently being pursued Aug 2010. New real nappy talks are currently being introduced to the Surestart Centre at Huncote.
W9 Ongoing	Use only those landfill sites where methane is collected and used for fuel.				Neighbourhood services/LCC	Currently LCC dictate which landfill sites all district Councils must use. BDC currently take waste to the incinerator at Coventry and the MBT facility at Cotesbach. Ongoing negotiation facilitated with this action.

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Key theme 4 – PROCUREMENT

The UK Government Sustainable Development Strategy “Securing the Future”, launched in March 2005, set the ambitious goal for the UK to be recognised as amongst the leaders in Sustainable Procurement, across EU member states, by 2009.




BDC’s Action Plan puts in place clear lines of accountabilities and reporting, and develops plans to raise the standards and status of procurement practice within the Council, which will in turn strengthen delivery of our ultimate target of reducing greenhouse gas emissions alongside the Action Plan. Public sector procurement can be used as a lever to stimulate markets for more sustainable technologies, therefore making it essential for BDC to procure with partners. Our consumption and purchasing decisions have an enormous impact on emissions from the source of goods, to the way it is delivered to the end user. Local and recycled goods have a lower impact. Emissions from product use e.g. electrical goods, decorations, and paper will also be smaller if they are energy efficient or have a lower impact.

Therefore BDC will produce a guide on sustainable procurement.

PROCUREMENT AND CLIMATE CHANGE

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
P1 ongoing	Implement sustainable procurement processes and practices for BDC to include possible sources of income/ investigate alternative suppliers.				Env. Protection/ External partners/ Assets	Procurement pages on the Council intranet to highlight green suppliers by April 2011
P2	Audit council usage of recycled paper to evaluate usage and opportunities.				Env. Protection/ External partners/ Assets	Currently monitor paper used monthly (from Apr 08) – figures provided by reprographics who provide the whole Council with its paper. All paper used is currently from recycled sources Aug 2010.
P3 ongoing	Explore joint procurement opportunities with other local authorities' and strategic partners to further sustainable procurement.				Env. Protection/ External partners/ Assets	Working with the Welland Procurement Unit to explore joint opportunities. The Council is in the process of rolling out procurement training following the revision of the procurement strategy. This will include supporting local suppliers, sustainability and strategic commissioning.
P4	Identify options to address potential barriers to sustainable procurement.				Env. Protection/ External partners	Ensure potential barriers are assessed and actions taken to limit impact – ongoing.
P5 ongoing	Develop e-procurement to reduce the reliance on paper.				Env. Protection/ External partners	Web based ordering, e-financials. The Council's financial management system

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						uses e-ordering & receipting & the option is in place to send purchase orders electronically.
P6	Encourage packaging and consumable debris removal and reduction by suppliers in procurement practices.				Env. Protection/ Neighbourhood Services	

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Key theme 5 – RAISING AWARENESS







The majority of the Climate Change Action Plan concentrates on BDC's own actions and operations. However the Council has a very important role in raising awareness of Climate Change, with the local community, businesses and others to help reduce the District of Blaby emissions and impact on the environment.

The Council are committed to tackling Climate Change and its issues within its own SCS. Targets have also been introduced into Service Group Plans as a result of the Council including Climate Change into its corporate policies.







Blaby District Council propose various Climate Change campaigns to encourage and share best practice, and to offer advice.

It is also envisaged that a strategic approach will be developed by the Council. The Council plans to hold an event specifically on Climate Change where the Climate Change Action Plan will be launched. All major strategic partnerships including the business sectors will be represented at the launch.




RAISING AWARENESS

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
RA1	Raise awareness of the implications of climate change among Planners and Developers; micro generation, SUDS, sustainable developments etc.				Env. Protection/ Planning/ Carbon Trust/ EST/External micro generation companies or consultancies	A Member of staff from Planning Policy now attends our Climate Change Members Working group meeting. Planning Policy has been encouraged to consider the Code for Sustainable Homes. SUDS are now considered in all major developments. Other opportunities could be explored to provide training events to increase the planners knowledge base.
RA2 Ongoing	Raise staff awareness of the Climate Change Action Plan and their contributions.				Env. Protection	Already initiated through team meeting slots and presentations throughout the Council. JW and MT have delivered presentations to all staff during Jun-Jul 08. A staff session was provided in 2009. In Jan 2010 driver training and a simulator were provided as a staff educational programme. Aug 2010 the 'Time 4







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						Change' programme was launched to all staff at a Council wide presentation by the Chief Executive. Further promotion occurred as part of the Green Office Challenge energy League in Dec 10.
RA3 Ongoing	Run internal waste, energy and water reduction awareness campaigns on ISIS and through a poster campaign.				Env. Protection /Carbon Trust/ EST	League tables for different departments were being developed to encourage energy reduction and competition between departments. This idea was discussed at director level on 9 th Mar 09. It has now been instigated since June 2009. Paper usage is also recorded as part of the league and recycling is encouraged. 'Time 4 Change' was launched Aug 2010 to staff.
RA4 Ongoing	Introduce Climate Change in service delivery action plans.				Env. Protection/ Performance	Discussed in service level meetings since Jan 2009. Since Jun 2010 now monthly figures of all Councils energy usage provided in service area reports. A Natural













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						Resource Officer Group (NROG) was set up in July 2010 inviting key management in reduction of CO ₂ emissions within Council operations / assets.
RA5 Ongoing	Provide support and encourage local activity to improve the local environment through engagement with key stakeholders and partners.				Env. Protection /Key partners	Contact with several Parish Councils made through LCC and BDC at Open Spaces Forum and dialogue with the local community. Glenfield and Braunstone Parish Councils have expressed interest in developing the Climate Change arena further within their parishes. The Enderby area has been given funding through a KTP partnership with the RCC to progress approved carbon reduction projects (Since Apr 2010). Enderby working Group is now at a position to finalise project ideas then apply for funding – Jan 11.







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<p>RA6 Ongoing</p>	<p>Publicise good practice in sustainable buildings in the district, for architects, developers, planners to encourage more sustainable building practice and promote achievements.</p>				<p>Env. Protection./Planning/Pari sh Councils/Blaby forums</p>	<p>Several achievements already recognised around the district such as Blaby Parish conveniences which have successfully used SUDS Apr 2009. Thorpe Astley Community Centre developed with 'Green' credentials (opened Nov 2010). Enderby Leisure Centre which has had CHP installed and connected by Sep 10. Began using Nov 10. The Rural exceptions housing scheme at Croft have installed solar panels as part of the new construction Apr 11.</p>
<p>RA7 ongoing</p>	<p>Raise the profile of climate change within the Community Strategy and with the LSP.</p>				<p>Env. Protection.</p>	<p>Goals already aligned to work on SCS and LSP (Mar 09). JW and JL are having regular meeting to discuss ways to develop and integrate Climate Change in the LSP. A new SCS will be introduced in 2011, and is currently being planned for now – Aug 2010.</p>










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RA8	Ensure that the LDF has regard to the Climate Change Action Plan and that it is communicated to other partnerships and sectors through their representatives on the partnership particularly ENABLE.				Env. Protection./Planning	The new LDF currently being developed and under review has taken the Climate Change Action Plan into consideration where appropriate.
RA9	Raise awareness of water use by devising and delivering a suitable project district wide.				Env. Protection	Water usage is now monitored at all BDC assets, reduction programmes currently being considered through NROG.
RA10	Examine the possibility of an Education Centre to raise awareness about the environmental benefits of recycling.				Env. Protection./Neighbourhood services	Through BDC's partnership working with Casepak, their new Materials Recycling Facility (MRF) opens in August 2011. They will be having a full educational facility at the MRF where BDC will be able to share information and utilise.
RA11	Encourage and support the development of eco schools in Blaby District.				LCC/Partnerships Team	Eco Schools are being supported by LCC as part of the Big Switch Off 08/09/10.










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RA12 Ongoing	Promote greater use of energy efficiency and renewable energy sources and other sustainable energy technologies in private and public sector housing.				Env. Protection./Housing/EST /Carbon Trust/DEFRA	4 category 2 sheltered schemes have solar panels fitted. 30 new rented properties in Huncote have air source heat pumps and further shared ownership and outright sale units will be handed over later in March/April 2011. 8 properties at Sapcote, 4 rented 4 shared ownership have air source heat pumps.
RA13 Ongoing	Establish a BDC steering group for Climate Change (Officer and Member) to raise awareness and progress work.				Env. Protection.	Cabinet report of 30 June 2008 set out a programme for delivery and established the baseline. Member and Officer Steering group has been set up and regular bi-monthly meetings are now held to discuss issues and further the support for actions within the Climate Change Action Plan. Bi-monthly meetings still continue to progress area of climate change work (Jan 11).







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RA14 Ongoing	Design web pages on BDC website to improve awareness and provide information on climate change.				Env. Protection.	Climate change page available with links to Act on CO2 etc. A new 'Affordable Warmth' web page was set up on 11th Dec 08 which also now links to a new 'Climate Change' web page (launched 19 th Dec 08). Internal web pages are currently being set up on ISIS – the internal intranet for staff.
RA15	Introduce a BDC Climate Change Award for businesses within the district.				Env. Protection.	Engaging communities
RA16 Ongoing	Identify internal resources and external funding streams to expand the raising awareness programme.				Env. Protection.	A joint bid from Environmental Protection and Private Sector Housing was gained £15000 was given to promote climate change and the Warmfront Scheme. £25,000 was gained from a bid for Council improvement works. This is currently being spent in conjunction with Assets to improve the Councils carbon performance within the building and in-

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						house structures (money to be spent by end Mar 11).
RA17	Engage communities to identify local environment 'champions' to work towards community engagement/ community award.				Env. Protection	There are currently awards for outstanding achievements within the district. This could be extended to the environment 'champions' arena.
RA18	Set up business schemes to encourage participation in 'environmental excellence' initiatives				Env. Protection	
RA19 Ongoing	Encourage all BDC employees and members to work out their Carbon Footprint online and become advocates				Env. Protection/ EST/Carbon Trust	Commenced through climate change presentations to all staff. Members bulletin. Update given in Leaders Statement on Climate Change in Agenda item nos. 140 on 22nd Jul 08. New ideas are being examined through the Climate Change Working Group. GAIA behaviour Change programme was launched as 'Time 4 Change' Aug 10 to engage with all staff. Staff encouraged to save energy at work through

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						Green energy league.
RA20	Challenge employees and members to introduce three achievable changes to help reduce their CO ₂ footprint				Env. Protection/ Planning/Assets	To be undertaken as part of the 'Time 4 Change' programme. A staff pledge programme now being developed to encourage individuals to do their bit for the environment.
RA21 Ongoing	Run competitions to encourage private purchase of low energy light bulbs and white goods and possibly vehicles with low CO ₂ emissions				Env. Protection	Low energy light bulbs have now been sourced from an energy supplier to give to residents/Council employees either on benefits or over 70. Low CO ₂ vehicles are being encouraged through test drives organised by the Council. In addition, a folder is being compiled with relevant information on low CO ₂ cars. This is updated and refreshed where necessary. Information is provided to employees when requested.

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Key theme 6 – ADAPTATION

It is anticipated that the global climate will warm up by 1°C worldwide, due to the damage already caused by greenhouse gas emissions







The National Department for Health has identified a potential number of public health concerns due to climate change influences. These are identified and included within BDC's climate change action plan.

We are currently preparing our Local Development Framework (LDF), and this will include Climate Change issues principally associated with the built environment; renewable energy and flood mitigation.










As climate change is expected to have an impact on our local environment, we can begin to prepare, and help the environment at the same time by planting more trees and examining the type of vegetation suitable for our changing climate.

It is expected that the water supply will be very variable due to the change in climate; that is to say there will be an excess of water in the winter months with potential flooding, and a lack of water with drought conditions expected in the summer months. Therefore the Council needs to become prepared for these extremes in conditions, and be able to adapt to extreme and flash weather warnings.










ADAPTATION AND CLIMATE CHANGE

NO.	ACTION	TIMESCALE	CO ₂ BENEFIT	COST	PARTNERS/ RESOURCES	COMMENTS
A1	Reduce water use in Council buildings.				Env. Protection/Water Utility Companies/Assets	Monitor water usage patterns in council owned buildings to prevent excessive leakages/collate data to look at patterns and pick up on the exceptions or outliers. Checking of usage has already identified a large leak at the Pavilion. Enderby Leisure purchased urinal sensors, & have seen large water usage reductions of 20%. Automatic Meter Readings (AMR) were installed at 3 of the main usage sites – The Main Offices, Depot and Pavilion, usage can now be more closely be monitored for all utilities. NROG continues on this area of work Jan 11.
A2	Improve community awareness of sustainable gardens.				Env. Protection/ Health and Recreation	Encourage public to have more environmentally friendly gardens, therefore reducing need for watering. Consult local plant nurseries within district to stock drought resistant










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						plants, a demonstration bed and self-watering hanging baskets.
A3	Examine the retention of trees and unnecessary loss caused by felling within the district in order to reduce impacts of warmer summers and droughts.				Env. Protection/ Health and Recreation	Consideration to be given through the Green Infrastructure Forum. Where trees are removed due to death or rot, new ones are planted where possible. In addition, more trees are planted every year than lost within the district.
A4	Provide guidance and information on grey water recycling, sustainable urban drainage systems, rain water recycling and water conservation.				Env. Protection/ Planning/Health and Recreation	
A5	Use the information produced by the Meteorological Office in a more effective manner.				Env. Protection/ Public Safety/External Bodies	BDC are notified when there are severe weather warnings. These warnings are also disseminated to staff when deemed to be appropriate through internal email and ISIS system. Long term plans to mitigate and minimise the impact of severe weather in the district and

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





						surrounding areas are more conservation orientated. Also addressed through NI188 and Emergency Planning issues.
A6	Adapt maintenance programmes for parks and open spaces to changes in the growth patterns of plants.				Open Spaces/ Neighbourhood Services/Health and Recreation/ Planning/ LCC/Local Plant Nurseries	Currently being examined through the Green Infrastructure forum. Less mows are now undertaken in nature reserves to allow species to seed before being mowed – 2 fold effect, less maintenance time/associated costs/CO2 reduction and more diverse reserves attracting more species.
A7	Create a plan for impacts of climate change on species and habitat conservation and migration.				Health and Recreation/LCC	
A8	Emergency Planning to develop systems to deal with the increased threat to plants and home invasions from pests, pathogens and disease.				Env. Protection/Health and Recreation	Has been investigated as part of the National Indicator 188.

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





A9	Develop a policy for significant tree planting/ landscape schemes to remove CO ₂ and other pollutants (carbon off-setting).				Env. Protection/ Planning/Health and Recreation/LCC	A policy to be considered through the Core Strategy and Local Development Framework (LDF). Also to be discussed in the Green Infrastructure Forum. Tree planting encouraged through community KTP work.
A10	Discuss changes in agricultural practices to prevent and deal with flooding.				Env. Protection/ Public Safety/External Bodies	To be discussed at the Green Infrastructure Forum and examined through NI 188.
A11	Improve critical projects objectives as part of the SCS. Including improve the green infrastructure (network of linked green space) across the district. Establish a Blaby District green infrastructure forum to develop policies and mechanisms to deliver improvement of infrastructure and local access to sites.				Env. Protection/Health and Recreation/Neighbourh ood Services/Planning	A Green Infrastructure Forum has been developed with Health and Leisure, Neighbourhood Services section, Assets and Environmental Protection. In addition, guest speakers are invited where necessary. This action is to be discussed at the Green Infrastructure Forum.

A12	Ensure that the LDF considers the green infrastructure network and includes climate change issues such as how planning policies and actions could help to contribute to reducing carbon emissions and address the causes and effects of climate change.				Env. Protection/ Planning/Key Partners/ Elected Members	Planning for Climate Change Project' has been commissioned to provide strong evidence base for the Councils policies. Also to be considered in the LDF and discussed at the Green Infrastructure Forum.
A13 Ongoing	In addition to A12, a strategic Flood Risk Assessment should be completed where locations that could be detrimentally affected by flooding should be identified.				Env. Protection/ Planning/Key Partners/ Elected Members	Has now been completed. A Flood warden watch scheme is now available in most areas within the district in areas deemed 'at risk'.
A14	Emerging design policies within the LDF could encourage greater use of SUDS, increased landscaping/tree planting and more sustainable transport methods (including walking/cycling) and greater emphasis on the use of Travel Plans for new and existing business exceeding a certain size.				Env. Protection/ Planning/Key Partners/ Elected Members	Travel Plan work has already begun with the Travelwise event held in January 2008 and continuing work on the Councils own Travel Plan. A meeting with 'GoTravel Solutions' took place in Dec 08 and Feb 09. As a result, a timetable for action delivery has now been set up.







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A15	Monitor air pollution and raise awareness about changes in health risks resulting from climate change.				Env. Protection	Air Quality Action Plan (AQAP) developed and in place. The AQAP is currently being worked towards to achieve the government's national objective in affected areas. A web page has been set up (4 Dec 2007) This page in now being reviewed.
A16	Plant trees along the canal edges and parks to provide shaded areas, this can also be positively promoted as a health measure.				Env. Protection/ Health and Recreation/ Neighbourhood Services/ Planning and Neighbouring Authorities	Influence key partners. To be raised at the Green Infrastructure Forum.
A17 Ongoing	Promote home composting.				Neighbourhood Services/ EST/Carbon Trust	Incentives introduced in 2008 encouraged the uptake of the garden waste scheme; the scheme ran in June 2009 up till April 2011 to further promote. As part of a home composting scheme, Leicestershire County Council and BDC have signed up with Straights plc to offer discount priced home composters for 2010/11 and will be doing so again for 2011/12.
A18	Hold an annual Flood Fair to raise awareness of				Env. Protection/Planning	A successful flood fair was held at the beginning of

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Ongoing	products, risk and prevention. Ensure new developments are not located in areas prone to flooding and include appropriate flood defence and mitigation measures.					2008, it was so successful that there has now been a call to hold the even annually. This fair was held again Feb 09 and Jan 10. Wide coverage of knowledge has now been provided, indicating further flood fairs will no longer be necessary on a yearly basis at BDC. However partnership working developed a County-wide flood fair at Leicestershire County Council Offices on 29 th March 2011.
A19	Examine differential parking rates and variable pricing parking permits to encourage public uptake on electric vehicles / those powered by sustainable energy sources/low CO ₂ emissions.				Env. Protection/ Planning/Licensing	This has been examined and is unlikely to be pursued as it was examined and proved to be problematic to enforce and regulate.
A20	Examine sustainable food - can help to mitigate against climate change.				Env. Protection/ Communications/ Planning	Farmers Markets held in Blaby town centre/ Allotments (District wide inc. Voluntary Action Blaby allotments – Health Improvement Officer)/ sustainable food procurement. Food bought for events is

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						now sourced locally at Cornflowers (Enderby) and the Munchbox (Narborough).
A21	Encourage eco labelling schemes for local communities - to achieve fair trade status (local authority and shops/ business level).				Env. Protection/LCC	
A22	Give the public/businesses information on energy efficiency advice.				Env. Protection	Currently provided through a Warmfront/ energy related hotline supported by The Energy Saving Trust who provide information for residents in Blaby District.
A23	An increased risk in food poisoning & infectious disease has been predicted for the 2020's due to increasing summer temperatures and heatwaves, therefore high-risk groups should be contacted.				Commercial/LCC	
A24	There is the potential for an increased risk in infection from flooded workplaces/homes/schools by 2020's therefore precautions need to taken to adapt against this.					

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A26	As part of the adaptation actions, it is predicted that by 2020 there is a higher risk potential for lack of heating, lighting and power, causing a partial closure of Council buildings to allow remedial repairs, therefore initially requiring a business continuity plan to react to such situations and a generator to provide continued business and services.					A business continuity / emergency plan was written by the Council in April 2010. As a result, an emergency generator was installed on 5 th Dec 10, and then initiated on 16 th Dec 2010.
A27	By the 2020's there is a higher death rate than normal expected due to cold temperatures and spells of bad weather.					Warmfront grants have been provided for 11/12 financial year to provide energy efficiency measures and home insulation to those on benefits, or housing with a SAP rating below 55. In addition it is expected that the Green Deal will provide future grants by the end of 2012 onwards to allow all homes to apply for up to a £6000 grant for various energy efficiency measures to improve home heating and retrofit to existing properties.

A28	By the 2020's there will be a greater risk of drier soil conditions potentially leading to structural damage. This could lead to damage of disused landfill sites leading to potential methane release. A landfill site plan and district wide emergency plan need to be developed to mitigate against this.					An Emergency Plan has been written by the Local Resilience Forum to include Blaby District. Emergency Centres have been identified within the district and have been equipped with the relevant equipment in case of an emergency.
A29	2020's risks indicate flooding of local infrastructure causing people to be displaced. This should be incorporated as a risk factor in the Council's district-wide Emergency Plan.					As part of Emergency Planning, the Council has signed up to work in partnership with the County Council and developed the Local Resilience Forum who are now developing plans to deal with flooding.

Glossary of abbreviations

Local Area Agreement	LAA
Local Development Framework	LDF
Sustainable Community Strategy	SCS
Blaby District Council	BDC
The Intergovernmental Panel on Climate Change	IPCC
The UK Climate Impacts Programme	UKCIP
Carbon Dioxide	CO ₂
Compressed Natural Gas	CNG
Gross Domestic Product	GDP
Energy Savings Trust	EST
Department for Environment Food and Rural Affairs	defra
Sustainable Urban Drainage Systems	SUDS
Leicestershire County Council	LCC
Environmental Action for a Better Leicestershire	ENABLE
Carbon Management Programme	CMP
Natural Resource Officer Group	NROG

Contact Details

Officers who have developed Blaby District Council Climate Change Action Plan;

Louisa Nadolny
Jon Wells
Anna Farish

Environmental Strategy Co-ordinator
Regulatory Services Group Manager
Environmental Strategy Team Leader

Any feedback, ideas or suggestions referring to this document can be sent by email to:

Climate.change@blaby.gov.uk

Any written correspondence should be sent to:

Blaby District Council
Environmental Protection Group,
Council Offices,
Desford Road,
Narborough,
Leicester.
LE19 2EP

This Climate Change Action Plan has also been endorsed by:

Cllr Ernie White
Sandra Whiles
Cllr Guy Jackson

Leader of the Council
Chief Executive
Climate Change Champion

The Nottingham Declaration on Climate Change

We acknowledge that

- Evidence shows that climate change is occurring.
- Climate change will continue to have far reaching effects on the UK's people and places, economy, society and environment.

We welcome the


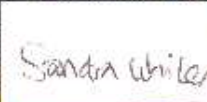
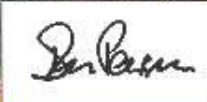
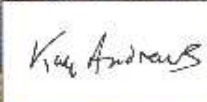
- Social, economic and environmental benefits which come from combating climate change.
- Emissions targets agreed by central government and the programme for delivering change, as set out in the UK Climate Change Programme.
- Opportunity for local government to lead the response at a local level, encouraging and helping local residents, local businesses and other organisations - to reduce their energy costs, to reduce congestion, to adapt to the impacts of climate change, to improve the local environment and to deal with fuel poverty in our communities.
- Endorsement of this declaration by central government.

We commit our Council from this date 1st December 2010 **to**

- Work with central government to contribute, at a local level, to the delivery of the UK Climate Change Programme, the Kyoto Protocol and the target for carbon dioxide reduction by 2010.
- Participate in local and regional networks for support.
- Within the next two years develop plans with our partners and local communities to progressively address the causes and the impacts of climate change, according to our local priorities, securing maximum benefit for our communities.
- Publicly declare, within appropriate plans and strategies, the commitment to achieve a significant reduction of greenhouse gas emissions from our own authority's operations, especially energy sourcing and use, travel and transport, waste production and disposal and the purchasing of goods and services.
- Assess the risk associated with climate change and the implications for our services and our communities of climate change impacts and adapt accordingly.
- Encourage all sectors in our local community to take the opportunity to adapt to the impacts of climate change, to reduce their own greenhouse gas emissions and to make public their commitment to action.
- Monitor the progress of our plans against the actions needed and publish the results.

Blaby District Council

acknowledges the increasing impact that climate change will have on our community during the 21st century and commits to tackling the causes and effects of a changing climate on our city/county/borough/district.

			
Leader of the Council	Chief Executive	Minister of State Climate Change and Environment	Department for Communities and Local Government