

## Exeter Climate Change Strategy (2008 – 2018)

## Action Plan (2009-2011)

## Theme 1 Action Plan: Energy - Existing Homes

No.	Action	By Whom	By When/ Target	Progress 2008/09
1.1	<u>Private Sector Homes</u> Continue to run the Devon Warm Zone in Exeter (to include financial assistance, door-to-door advice, community-based environment champions, training and education.	Keith Williams, Energy Saving Trust Advice Centre (ESTAC) with funding from CERT, Warmfront	April 2011	Promotional activity in the Warm Zones began in September 2009 and aims to install insulation to 15,000 households throughout Devon in the next 3 years. 3,085 households in Devon have been assisted through the warm zone with nearly 6000 insulation measures installed, just under 500 of which are in Exeter.
1.2	Work with utility companies to maximise the funding potential of 2008-11 Carbon Emissions Reduction Target (CERT).	Keith Williams, ESTAC	December 2011	Funding has been secured from E-on Energy and has been guaranteed until December 2011 to ensure the success of the Warm Zone scheme
1.3	Continue to provide financial assistance to improve the energy efficiency of private sector homes in the city, e.g.: a) 'Warm Up Exeter' grants for loft and cavity wall insulation b) Renovation grants for insulation measures and boiler replacement c) Disabled Grant schemes for insulation measures and boiler replacement	Keith Williams, ESTAC, Utilities	a) 700 households pa b) 50 households pa c) 100 households pa	Progress April 2007 to April 2009: a) 2,713 insulation measures installed through 'Warm Up Exeter'. b) 440 renovation grants included an element of energy efficiency. c) 274 Disabled Facilities Grants included an element of energy efficiency.
1.4	Continue to provide free loft and cavity wall insulation to households on low incomes and the over 65s utilising funding from the Exeter Climate Change Parking Levy.	Keith Williams, Kathryn Lamble	a) Approx 1,000 measures to be installed in 2009/10	348 insulation measures (loft and cavity wall) were installed through the scheme in 2008/09.
1.5	Continue to promote the results of the Exeter Heat Loss Survey (funded	Kathryn Lamble/Keith Williams.	April 2010	The survey, which was undertaken in January 2009, has been promoted to

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	through the Climate Change Parking Levy) to encourage householders to uptake insulation grants to reduce carbon emissions from their property.			residents. A campaign to target those properties that have a high and medium heat loss is being planned, in conjunction with the Devon Warm Zone.
1.6	Investigate providing loans for residents to install insulation measures.	Keith Williams, Wessex Reinvestment Trust.	April 2010	Loan scheme being launched in December 2009 in conjunction with the Wessex Reinvestment Trust.
1.7	Private Landlord Insulation Scheme (PLEA): a) Continue the scheme to provide financial assistance to landlords to improve the thermal efficiency of private-sector rented dwellings. b) Undertake a trial to extend the scheme to cover poorly-converted flats.	Keith Williams, Energy Action Devon (with CERT funding)	a) Ongoing – 150 households pa b) Trial to start September 2009 and cover 100 households	Private landlord grants continue to be given to improve the energy efficiency of all rented properties. 379 insulation measures were installed between April 2007 and April 2009 and 31 central heating systems were installed in 2008/09.
1.8	Establish an accreditation scheme (to include energy efficiency standards) to encourage private sector landlords to improve the energy efficiency of their properties.	Keith Williams/ Robert Norley. Partners: University of Exeter, Guild of Students	December 2010	Accreditation scheme is in the development stage.
1.9	Organise training for landlords regarding energy efficiency and fuel poverty issues and promote the PLEA grant.	Keith Williams with ESTAC	Ongoing	Promotion continues through regular attendance at landlord fora, landlord newsletter and as part of the Devon Warm Zone promotional activity
1.10	Investigate sustainable energy options for the electrically heated homes in the off-gas area of Exwick to benefit the residents and reduce carbon dioxide emissions.	Keith Williams, Kathryn Lamble, Guinness Trust, Eon Energy, Energy Action Devon	April 2010	A study undertaken by the University of Exeter concluded that many residents cannot afford to heat their homes adequately during the winter months due to poor levels of insulation and the high cost of electricity. As a result, a targeted campaign to promote grants for insulation is being undertaken. The possibility of installing renewable energy systems into some of the properties is also being investigated.
1.11	Continue to provide a smart monitor	Kathryn Lamble, Exeter	Ongoing	Smart monitor loan scheme for residents

No.	Action	By Whom	By When/ Target	Progress 2008/09
	loan scheme to help residents monitor and reduce their home energy consumption. Explore the feasibility of extending this to businesses.	Visitor Information & Tickets		introduced in April 2009 and is proving to be very successful.
1.12	Continue the Smart Monitors in Schools Scheme to provide children with the opportunity to borrow a smart meter to monitor and reduce their energy consumption.	Kathryn Lamble/Fiona Tame, Low Carbon Exeter with funding from the Climate Change Parking Levy	August 2010	8 schools have now taken part in the scheme. The feedback from teachers and pupils has been very positive, with some households reducing their energy consumption by as much as 40%.
1.13	<p><u>Council Housing</u>            Improve the energy efficiency of Council housing in the city by:</p> <ul style="list-style-type: none"> <li>a) installing loft and cavity wall insulation into all homes not already benefiting (where feasible).</li> <li>b) installing 'A' rated condensing boilers</li> <li>c) externally insulating Council flats as part of external painting programme.</li> <li>d) British Iron and Steel houses to be externally insulated</li> <li>e) Install spray adapters as part of the bathroom modernisation programme</li> </ul>	Tony Bodgin	<ul style="list-style-type: none"> <li>a) April 2011</li> <li>b) 50 boiler replacements pa/25 new gas central heating installations pa</li> <li>c) 5 year external painting programme to be developed by April 2008</li> <li>d) 6 homes by March 2010</li> <li>e) 95 homes by March 2010</li> </ul>	<ul style="list-style-type: none"> <li>a) 96 wall cavities and 637 lofts insulated between April 2007 and April 2009 (90% of homes now fitted with loft and 99% with cavity wall insulation).</li> <li>b) 50 gas condensing boilers with a SEDBUK 'A' rating replacements undertaken in 2007/08 and 100 in 2008/09</li> <li>c) Programme of external rendering and upgraded insulation to British Iron and Steel houses (BISF) was severely hampered by poor weather in 2008/09 but the programme is back on course to complete the remaining 16 houses in 2009/10. A new contract for the external rendering and insulation of blocks of flats is now in place and five blocks totalling 58 homes will be completed in 2009/10 with a further 12 blocks in the pipeline.</li> </ul>
1.14	Develop an Energy & Sustainability Policy for Council Housing.	Neil Shire/Housing Energy Group	October 2009	Draft policy produced for Tenant & Leaseholder Committee to consider (June 2009).
1.15	Promote energy efficiency issues to Council tenants and provide energy awareness and fuel poverty training to relevant Council staff.	Tony Bodgin	Ongoing	Regular articles written for 'Insight' (newsletter for Council tenants) and 'Chatterbox' (newsletter for Sheltered Housing tenants) on saving energy in the home. Availability of courses publicised to relevant tenants and staff.

## Theme 1 Action Plan: Energy - Business

No	Action	By Whom	By When/ Target	Progress 2008/09
1.16	Provide support for the Retailer Energy Efficiency Award Scheme, which provides free audits to businesses to help reduce energy, waste and carbon dioxide emissions and an energy efficiency award for successful implementation of the findings.	Kathryn Lamble in conjunction with Global Action Plan and Low Carbon Exeter with funding from the Climate Change Parking Levy	April 2010	25 businesses have now signed up to the scheme and will receive an audit to help identify opportunities to reduce energy, waste and carbon dioxide emissions.
1.17	Establish a Carbon Club for Exeter businesses, which will provide on-site audits, advice, training and networking opportunities to help businesses reduce energy, fuel and water use and identify opportunities for waste reduction.	Kathryn Lamble in conjunction with Global Action Plan	April 2011	Funding allocated from the Exeter Climate Change Parking Levy for 2009/10 and match funding has been secured by Global Action Plan.
1.18	Develop a strategy for implementing a heat distribution system for the new Waste-to-Energy plant, working with DCC, Viridor, and developers.	John Rigby, Robert Norley with DCC and business partners (inc. Business Representative Forums).	Ongoing	A study conducted by the University of Exeter highlights the potential for exploiting the heat output from the new Waste to Energy Plant. Planning Condition secured as first step, which requires applicants to use 'best endeavours' to use and market the energy produced by the plant and to produce an annual report on their endeavours.
1.19	Look for opportunities to encourage public sector employers in Exeter to participate in activities to reduce their carbon emissions.	Kathryn Lamble	Ongoing	Preliminary discussions undertaken with RDE.

## Theme 1 Action Plan: Energy- New Development

No.	Action	By Whom	By When/ Target	Progress July 2009
1.20	<u>New Growth Point</u> Finalise agreement for the development of a CHP scheme for Cranbrook with New Community Partners and Homes and Communities Agency.	John Rigby with EDDC and New Growth Point partners	April 2010	New Growth Point Feasibility Study of the potential for Low and Zero Carbon Development for the East of Exeter has been completed and is forming the basis for negotiations with developers and with the Homes and Communities Agency regarding implementation of low/zero carbon development. A formal proposal for a CHP scheme is being discussed with New Community Partners and HCA.
1.21	<u>Programme for Planning</u> Local Development Framework to build on national policy guidance and take full account of regional policies on climate change.	John Thompson	Core Strategy submitted to Secretary of State in 2010.	Draft Core Strategy includes policy on transport, flooding, renewable energy and sustainable construction that will contribute to minimising climate change. The Draft Core Strategy also sets out spatial policies which concentrate development in locations expected to be resilient to climate change, seeks to avoid and manage flood risk, and promotes and preserves biodiversity and green infrastructure across the City.
1.22	<u>Affordable Homes</u> Implement policy for all new affordable homes to meet Level 4 of the Code for Sustainable Homes by April 2011.	Emma Osmundsen	April 2011	The aim to achieve Level 3 of CfSH is included in the Housing Strategy and is being actively promoted by Housing Enabling Team. All new build affordable housing that is grant funded by the Homes & Communities Agency is required to achieve this standard. An estimated 90 of the predicted completions for 2009/10 will reach CfSH level 3.
1.23	Construct approximately 70 new affordable homes on Council land to reach Level 4 of the Code for Sustainable Homes	Emma Osmundsen	Phased through to 2011	Plans for the new homes are progressing. A 'Green Housing' consultation has been undertaken with tenants to help identify their priorities for sustainable homes Planning applications should be submitted for the first two sites in July 2009 (circa 20 homes).

## Theme 2 Action Plan (09/10 – 10/11): Transport

No.	Action	By Whom	By When/ Target	Progress 2008/09
2.1	<u>Transport Strategy</u> Ensure that transport policies are integrated fully with spatial planning, particularly in key future development sites in the City (New Court/Royal Navy Stores Depot/Monkerton areas).	Richard Short, DCC	Ongoing	Devon County Council, The Highways Agency, Exeter City Council and East Devon District Council continue to assess the infrastructure needed to serve development in the Exeter area. The outcome of the assessment will form the basis of transport guidance in the Exeter Core Strategy due for publication in 09/10.
2.2	Continue to develop a High Quality Public Transport System for Exeter with a view to submitting proposals to the government in late 2009/10.	John Rigby to support DCC activities	Submit planning application Mid 2009. Apply to Department for Transport for funding late 2009/10	DCC continue with the preparation of a bid for Regional Funding Allocation money to support the development of a High Quality Public Transport System for Exeter and plan to submit a detailed proposal to government in early 2010.
2.3	Support Devon County Council in their proposal to build a new 780 space Park and Ride facility at Ide.	John Rigby to support DCC activities	April 2011	The Park and Ride Strategy has been updated and DCC are preparing proposals for a new Park and Ride site off the A30 at the Ide junction.
2.4	Utilise Section 106 agreements to promote transport sustainability.	Richard Short, DCC	Ongoing	Negotiations have proceeded on major schemes such as Newcourt and developments related to the expansion of the University of Exeter. One of these included provision of folding bikes for occupants of student accommodation.
2.5	<u>Transport Programmes</u> Continue to provide support for the implementation of the Cycling Demonstration Town Project to increase levels of cycling within Exeter (scheme extended by two years due to its success in funding infrastructure improvements and significantly increasing levels of cycling).	John Rigby to support DCC activities. Partners: Cycling England and Sustrans	Ongoing	Continued support has been made to the CDT project (physical infrastructure and 'soft' measures). A 25% increase in cycle trips was observed between 2005 and 2007. This coincides with evidence of a strong improvement in the number of pupils cycling to Exeter schools, following intensive support from Sustrans Bike It officers. The CDT programme has been extended by two years due to its success in funding infrastructure improvements and significantly increasing levels of cycling at secondary school

No.	Action	By Whom	By When/ Target	Progress 2008/09
				and at other key travel generators.
2.6	Complete and evaluate the Travelsmart Individualised Travel Marketing Programme, providing door-to-door travel planning advice to encourage alternatives to car use.	Ross Hussey to support DCC activities. Partners: Sustrans, Social Data, Big Lottery Fund	April 2010	Phase 1 (West Exeter and Exminster) and Phase 2 (SE Exeter) are now complete and the programme has reached Phase III (Pinhoe/Mincinglake). Evaluation of this project will be undertaken during the latter part of 2009/10.
2.7	Continue to implement the Walking Project (programme that combines infrastructural improvements with soft measures to encourage take-up of commuter walking).	Ross Hussey/Dave Hubbard. Partners: DCC and Sustrans	Ongoing	A new Walking Map for Exeter has been published and the leaflet pack for the Green Circle Route updated. Progress on the Exwick Loop has been made, with completion of a path from Exwick Lane to St Peter's Mount. A planning application will soon be submitted for the first part of the Exwick Loop - Hamlyn's Lane. Other shared use paths have been completed at Pinhoe Library Fields and Eastern Fields and from Willow Way to Pinhoe Rd. Awaiting planning permission for a shared use path between Ludwell Lane and Topsham Road.
2.8	Implement ECC car parking climate change levy with proceeds ring-fenced for expenditure on projects to reduce carbon emissions within Exeter.	Roger Coombes/ Kathryn Lambie	Ongoing	2% levy agreed by Council Executive and implemented with effect from April 2008. Following call for ideas and public vote, 5 projects were funded in 08/09. The Exeter heat loss survey, Exeter Warm Up Plus grants and Exeter renewable energy survey have been completed. A Retailers Energy Efficiency Award scheme and Smart Meters in School project are continuing in 2009/10. Projects for 2009/10 will include continuation of the Warm Up Plus grants and funding for the establishment of a Carbon Club for Exeter businesses.
2.9	Maintain investment programme in local rail infrastructure through ExeRail Programme.	Ross Hussey to support DCC activity. Partners Network Rail, First Great Western	Ongoing	Ongoing, annual contribution to station improvements and local rail publicity material by ECC, matched by DCC and other funding opportunities. Officers of the County and City

No.	Action	By Whom	By When/ Target	Progress 2008/09
				Councils will be preparing a paper for the July 2009 meeting of Exe Rail setting out a framework for the long term enhancement of the Exeter/Exmouth railway.
2.10	Support the Exe Co-Cars Car Club scheme as a sustainable alternative to car ownership (for example through supplementary planning guidance for developers)	Ross Hussey/ Richard Short. Partners: DCC and Exe Co-Cars	Ongoing	ECC are now Corporate Members of Exe Car Club and staff are using the cars for business travel. The Council has subsidised the funding of additional publicity material for the Exe Car Club for use as part of the Exeter TravelSmart scheme. Supplementary Planning Guidance on car clubs for new development has been adopted and significant financial contributions to car clubs negotiated at the Newcourt and former Debenhams building developments.
2.11	<u>Sustainable Tourism</u> Encourage visitors to visit Exeter by highlighting public transport accessibility within and from the city.	Victoria Hatfield	Ongoing	Car free days out itineraries developed and available to download <a href="http://www.exeter.gov.uk">www.exeter.gov.uk</a> and <a href="http://www.exeterandessentialdevon.com">www.exeterandessentialdevon.com</a>
2.12	Promote the Green Tourism Business Scheme (GTBS) to tourism providers within Exeter (sustainable tourism certification scheme).	Victoria Hatfield	Victoria Hatfield	Victoria Hatfield
2.13	<u>City Council Corporate Policy</u> Reduce carbon dioxide emissions from the Council's vehicle fleet, by trialling appropriately sourced biodiesel, purchasing electric vehicles, monitoring fuel consumption, training drivers and trialling a vehicle tracking system.	Haydn Davies	Ecodriver training to be introduced by April 2010.  Tracking system to be installed on 3 further refuse vehicles by April 2010.	5 refuse vehicles are running on 50% bio-fuel. Monitoring is being undertaken with a view to increasing the number of vehicles running on bio-fuel. There are currently 3 electric vehicles in the Council fleet. Fleet management software now in place to monitor fuel usage and mileage travelled by each vehicle. Installing tracking systems on refuse collection vehicles and all new vans will have the capability. Routes being monitored on an ongoing basis to



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				monitor efficiencies and reduce duplication. Eco driver training to be linked with CPC requirement for HGV drivers.
2.14	Keep the Council's Green Travel Plan under review, to encourage staff to travel by sustainable modes of transport.	Glyn Bellerby	Ongoing	A full review of the Green Travel Plan was undertaken in 2008, which included a staff consultation exercise. Cycling/walking is also promoted through the work place health programme, including installation of new cycle parking facilities and provision of cycle training for staff.

### Theme 3 Action Plan: Waste

No	Action	By Whom	By When/ Target	Progress July 2009
3.1	<u>Recycling and Composting of Domestic Waste</u> Maximise the quantity of materials recycled in the city through the kerbside 'Recycle from Home' Scheme.	Penelope Lane	Ongoing	A programme of improvements to the MRF processing systems was completed during 2007/8, which has improved the quality of the paper sent for recycling. Recycling rate of 36% achieved in 2008/09
3.2	Expand the network and range of materials accepted at recycling banks to increase tonnage of recyclables collected, especially glass.	Penelope Lane	Ongoing – continue to introduce new recycling bank sites where possible	One recycling bank site reinstated during 2008 and a new one developed. One new site planned for 2009/10.
3.3	Work positively with the proposal to provide a civic amenity site that best serves the residents to the north of Exeter.	Robert Norley with DCC	2010	Planning permission has been attained for the proposed recycling centre in Pinhoe and demolition works have commenced on site. Due to be operational in 2010.
3.4	Reduce the amount of organic waste sent to landfill by encouraging home composting and offering an 'opt in' garden waste collection service.	Penelope Lane	500 composters distributed pa. Increase garden waste scheme participants by 5% in 2009/10.	Activities continue to promote home composting, which resulted in the sale of over 1,000 composters in 2007/08 and 587 in 2008/09 (city is reaching saturation point). Garden waste collection scheme continues to expand and 1,739 tonnes of waste was collected in 2007/08, increasing to 2,119 in 2008/09.

No	Action	By Whom	By When/ Target	Progress July 2009
				Garden waste scheme participants increased by 5% in 2008/09.
3.5	Initiate and promote waste minimisation/recycling awareness campaigns and publicity.	Penelope Lane, in partnerships with DAWRRC	Ongoing – 4 topics addressed per year	Recycling and Waste Minimisation Communication Plan (2007 – 2009) has been developed and is being implemented.
3.6	Increase use of the school recycling scheme and continue schools educational programme for responsible waste management.	Penelope Lane	Ongoing – 50 talks to schools/ visits to Material Reclamation Facility per year.	All city schools now participating in Council's recycling scheme. During 2007/8 the recycling team hosted over 100 events, including visits to the MRF, talks to community groups, fun days, school fetes, compost giveaways and events promoting re-usable bags.
3.7	Expand the Green Team Schools Scheme.	Mike Trim	April 2010 Target: 15 schools to join scheme and help improve the environment	Green Team Scheme set up in 2008 in partnership with Express and Echo and Gregory Distribution. Twelve schools currently in the scheme, focusing on various goals in order to improve the environment.
3.8	Ensure all new housing developments in the city are provided with adequate refuse/recycling storage and collection facilities.	Penelope Lane/ Richard Short	Ongoing	All new/ redevelopment properties are assessed at the planning application stage and advice about bin storage is offered to developers.
3.9	<u>Trade Waste Recycling</u> Continue to expand the trade waste recycling service.	Mike Trim	April 2010 Target: Further 120 customers.	New trade waste recycling service introduced in October 2007, collecting cardboard and paper. In July 2008, the service was expanded to include mixed plastics and cans. Amount of material collected increased from 26.1 tonnes per month in 2007/8 to 30.6 tonnes per month in 2008/9. Current customer base is 596.
3.10	<u>Landfill Strategy</u> Reduce land-filling of waste through the active promotion of waste-minimisation, recycling and reuse, and positive engagement in the development of a Waste to Energy Plant in Marsh Barton.	Robert Norley, DCC and Waste Plant operator	Completion 2011	Planning permission granted, and main contractor appointed (Viridor). The plant is due to commence in 2011.

No	Action	By Whom	By When/ Target	Progress July 2009
3.11	<u>ECC Corporate Activity</u> Further promote recycling and waste minimisation to Council staff and continue to improve recycling facilities where necessary.	Kathryn Lamble/ Environmental Champions/ Facilities Managers	Ongoing Target: reduce office waste from Civic Centre by 60% by April 2011 (baseline April 1998)	New recycling schemes introduced at the Civic Centre and 13 other sites in Feb 2009 and associated awareness campaign run through the Environmental Champions scheme. A waste audit in May 2009 showed a 39% reduction in waste to landfill at the Civic Centre since May 2008 and a doubling of material recycled from offices. This equates to a 75% reduction in waste disposed of to landfill since April 1998.
3.12	Reduce paper consumption in Council offices through reducing unnecessary paper usage, increasing access to duplex printers and investing in systems for electronic storage e.g. electronic document and records management (EDRM).	Kathryn Lamble/Ed Heaton/IT Services  EDRM: Tracy Dempers/IT Services	Ongoing (EDRM by 2010)	Electronic document and records management being rolled out across Council. Paper consumption reduced by 15% in 2007/08 and by 4% in 2008/09 (14.5% reduction since 2005/06). Plans to introduce new duplex printers into Council offices should reduce paper consumption further.

#### Theme 4 Action Plan: Exercising Community Leadership

No	Action	By Whom	By When/Target	Progress 2008/09
4.1	<u>Communication and Support</u> Undertake activities to raise awareness of climate change and how residents can reduce their carbon dioxide emissions and adapt to climate change.	Kathryn Lamble, with support from Communications Team and external partners.	Ongoing	Climate Change Communications Strategy adopted in November 2008.  Communications campaigns and events undertaken, including Energy Week 2008 and The Big Switch Off campaign (March 2009).
4.2	Provide an on-line resource on the Council's website, which provides information to residents and businesses about climate change (linking to appropriate sources of advice).	Kathryn Lamble	Ongoing	New web pages produced for The Big Switch Off campaign, heat loss survey and smart meter loans scheme. Existing webpages on climate change are being revised and updated.
4.3	Continue to engage with and provide support and endorsement for community/voluntary sector initiatives in Exeter that promote low carbon living.	Kathryn Lamble/ Dawn Rivers	Ongoing	Grant provided by Council to support Low Carbon Exeter initiatives, including help towards delivering a series of talks on climate change, smart monitor project for schools and retailer

				energy efficiency award (through Climate Change Levy).
4.4	<u>Exemplar Homes</u> Facilitate the development of an exemplar ecohomes scheme of affordable homes.	Emma Osmundsen	By end of 2010	Site for 3 homes to be built to Level 4 of the Code for Sustainable Homes identified in Heavitree and planning permission being sought. A planning application should be submitted in July/August 2009.
4.5	<u>Sustainable Procurement</u> Work with suppliers to the Council to encourage greater standards of environmental practice, for example through work to extend the Exeter Green Accord to all Council suppliers. Encourage other public agencies in Exeter to adopt similar measures.	Paul McCormick/ Mel Jones/ Kathryn Lamble. Partners: Envision, Envirowise, Ian Williams Ltd	Ongoing	All contractors on the Council's Select List for general building works, consultancy, asbestos and M&E have committed to the Green Accord and passed a self assessment, grading their ability to meet the Council's sustainable agenda. Web site being developed and Green Accord copy-righted. The scheme is shortly to be extended to design and print consultants and will ultimately extend across all Council suppliers. The Met. Office has also adopted the Green Accord and other public and private sector employers are exploring its use for their supply chains.
4.6	<u>City Council Corporate Activity</u> Continue to implement the Council's Carbon Management Plan with the aim of reducing carbon dioxide emissions from the Council's own operations by 20% by 2013/14 (baseline 2006/07).	Kathryn Lamble/Paul McCormick Partner: Carbon Trust	April 2014	Carbon Management Plan adopted in March 2008. 3.8% reduction in emissions in 2008/09 compared to the baseline of 2006/07.
4.7	Continue to review training needs of Council staff in relation to climate change and provide additional training as required.	Kathryn Lamble/ Ian Walker	Ongoing	Additional needs to be identified through forthcoming work on climate change adaptation.

## Climate Change Adaptation Action Plan

No	Action	By Whom	By When/Target	Progress 2008/09
5.1	<u>Adaptation Research and Planning</u> Undertake a local risk-based assessment of significant vulnerabilities and opportunities to weather and climate and develop an action plan of appropriate adaptation measures.	Climate Change Steering Group with advice from SWCCIP	Achieve Level 2 of National Indicator 188 by April 2011	Data compiled for NI 188: Adapting to climate change and a project plan for taking this forward is under discussion.
5.2	<u>Emergency Planning</u> Through membership of the Devon Local Authority Resilience Group (LARG) keep Exeter's Emergency Plan under review to take into account the likely impacts of climate change on the city.	Peter Brown in conjunction with Environment Agency and other Category 1 responders	May and November of each year	Forum meets quarterly. Emergency Plan updated twice a year. The LRF Community Risk Register (CRR) has identified 9 Severe Weather risks that might be attributable to climate change. These range from Severe Gales to Drought (SW001 – SW009). These are reviewed as and when required when they may be up or downgraded. Latest update to Emergencies Plan to be distributed on 1 May 2009
5.3	<u>Flood Risk Management</u> Building on the study to identify essential infrastructure serving the city e.g. electrical sub stations, water works, sewage pumping stations that may be vulnerable to flooding, work with the owners to develop an action plan to deal with vulnerable installations.	Dave Hubbard in conjunction with South West Water, Western Power	April 2010	A study, 'Services in the River Exe Flood Plain: 2009' to identify essential infrastructure serving the city e.g. electrical sub stations, water works, sewage pumping stations that may be vulnerable to flooding has been undertaken with a view to highlighting the risk to the owners.
5.4	Work with the Environment Agency to improve existing flood defences in Exeter to provide greater protection from flooding. For example, provide support for the Environment Agency's plans to undertake flood modelling of the River Exe.	Dave Hubbard with Environment Agency	Ongoing	The Environment Agency has completed the flood wall/ bank at Station Road Exwick (ECC supplying advice on engineering and planning).
5.5	<u>Planning Policy</u> Incorporate policies covering strategic and spatial issues in relation to sustainable construction, biodiversity,	John Thompson	Submit Core Strategy to Secretary of State 2010	Progress on Core Strategy delayed pending adoption of Regional Spatial Strategy. Following adoption of the RSS, policy on sustainable construction, biodiversity, green infrastructure, air

	green infrastructure, air and water quality and flood risk into the Core Strategy of the new Local Development Framework.			and water quality and flood risk will be brought forward through the Core Strategy.
5.6	Allocate sites for development by applying a risk-based search sequence in accordance with the Exeter Strategic Flood Risk Assessment.	John Thompson	Final Strategic Flood Risk Assessment completed. The Allocation DPD will be commenced in 2010/2011.	Strategic Flood Risk Assessment completed. Draft sequential test submitted to the Environment Agency. Awaiting a response.
5.7	Review scope for supplementary planning documents on sustainable construction and/or renewable energy policy as part of the Local Development Framework, taking account of government planning policy guidance on climate change.	John Thompson Theo Goodall	Residential Design Guide SPD completed end 2009. Sustainable Development and Renewable Energy SPD started 2010.	Residential Design Guide Supplementary Planning Document in preparation and will include guidance on sustainable design (inc. green roofs, water conservation etc). Sustainable Development and Renewable Energy Supplementary Planning Document to be started in 2010 after submission of Core Strategy.
5.8	Produce a Green Infrastructure Study to set out a framework to link existing and planned communities through a connected and easily accessible greenspace network. Utilise the study to inform the preparation of the Core Strategy and other DPDs.	John Thompson in conjunction with EDDC, TDC	Strategy completed by end 2009	Green Infrastructure Study completed. Phase 2 underway to develop strategy and provide guidance on delivery.