

EXETER CITY COUNCIL
SCRUTINY COMMITTEE - COMMUNITY
31 AUGUST 2010

PROGRESS UPDATE - ENVIRONMENTAL & CLIMATE CHANGE STRATEGIES

1 PURPOSE OF THE REPORT

- 1.1 This report outlines the progress that has been made by the Council in terms of implementing the action plans of the Environmental Strategy, Climate Change Strategy and Carbon Management Plan.

2 BACKGROUND

- 2.1 The Environmental Strategy (2007-2012) was adopted by the Council in 2007. The Strategy sets out how the Council intends to tackle the key environmental challenges facing Exeter and explores how to reduce the city's impact on the global environment. The Strategy also draws together and evaluates the effects of the Council's own policies and practices on the environment, with the aim of reducing environmental damage.
- 2.2 The Climate Change Strategy was adopted by the Council in January 2008. The Strategy sets out key proposals for how the Council, working with others, can take the lead in reducing greenhouse gas emissions within Exeter by 30% by 2020 from 1990 levels. The Strategy covers five policy areas for action: energy, transport, waste, community leadership and adapting to the effects of climate change.
- 2.3 Members will recall that in 2007 we took part in the fifth phase of the Carbon Trust's Local Authority Carbon Management Programme, to calculate and analyse our carbon footprint and explore opportunities to reduce emissions from Council buildings, vehicles and waste production. Our carbon footprint for 2006/07 was estimated as 2,880 tonnes of carbon dioxide - roughly equivalent to the emissions from about 300 homes. To achieve a significant reduction in carbon dioxide emissions the Council produced a Carbon Management Strategy and Implementation Plan, which was adopted by the Council in March 2008. This identifies key actions for the Council to take to reduce emissions by 20% by 2013, an ambitious target. In 2009, the Council also signed up to the national 10:10 climate campaign, making a commitment to reduce emissions by 10% in 2010/11.

3 PROGRESS MADE

- 3.1 The current status of projects contained in the Carbon Management Strategy and Implementation Plan can be found in Appendix II, whereas progress updates for the Environmental Strategy and Climate Change Strategy are available on the intranet at <http://intranet/environmentalstrategiesupdate>
- 3.2 Progress has been made in a variety of areas, including provision of insulation grants to householders, establishment of a Carbon Club for businesses, energy efficiency improvements to Council housing and a study into the effects of extreme weather events on Council services in preparation for climate change. Other initiatives include, continuation of the Cycling Demonstration Town project, further development of the Core Strategy and a project to further enhance the wildlife value of the Valley Parks.
- 3.3 Further examples of progress that have been made by the Council in relation to the three strategies during 2009/10 are outlined in Appendix I to this report. These are listed under the main areas highlighted for action in the Strategies:

- Climate Change
- Energy/water use
- Waste/recycling
- Sustainable purchasing
- Sustainable transport
- Street cleanliness
- Air/land/water quality
- Countryside/wildlife
- Sustainable construction
- Other

3.4 It can be concluded that progress towards achieving the actions set out in the Climate Change and Environmental Strategies are largely on track. Although the Carbon Management programme was delayed in previous years (due to loss of the Energy Manager and the freeze in capital spending), it is now being progressed fully. However, it will be a challenge to reach the target of a 20% reduction by 2012/13.

4 INDICATORS

- 4.1 Since 1996, the Council has monitored a set of sustainability indicators to measure progress made in meeting the Council's Local Agenda 21 objectives. Upon the adoption of the Environmental Strategy this list of indicators was expanded to include further environmental indicators. A number of Corporate Environmental Performance Indicators are also monitored on an annual basis to assess the Council's environmental management performance, for which steady progress is being made. A summary of the progress made is the subject of a separate report to Scrutiny Committee Community.
- 4.2 A summary of the results for the environmental and sustainability indicators is provided in Appendix III. As can be seen, improvements have been made in a number of areas, most notably the recycling of domestic waste, energy efficiency of housing and the standard of street cleanliness.

5 RECOMMENDED

That Scrutiny Committee – Community support approve:

- (1) Notes the examples of progress made to date;
- (2) reaffirms its commitment to manage and continually improve the Council's own sustainability performance;
- (3) notes that the current status of the Council's Carbon Management Strategy and Implementation Plan;
- (4) support the Council's continuing work in partnership with other organisations within the City and with the community to tackle climate change and improve quality of life in the City;
- (5) continues to receive reports on this work on an annual basis.

HEAD OF ENVIRONMENTAL HEALTH SERVICES

COMMUNITY & ENVIRONMENT DIRECTORATE

Local Government (Access to Information) Act 1985 (as amended)
Background papers used in compiling this report:

Environmental Strategy
Climate Change Strategy
Carbon Management Plan

ENVIRONMENTAL STRATEGY AND CLIMATE CHANGE STRATEGY

PROGRESS MADE

2009/2010

1. CLIMATE CHANGE

Action within the Council

- Work has continued to implement the Carbon Management Strategy and Implementation Plan, which identifies key actions for the Council to take to reduce carbon dioxide emissions by 20% by 2013. Targets to reduce waste, carbon dioxide emissions, paper usage and water consumption have continued to be monitored. The results are the subject of a separate report to this committee, and show real progress in achieving the targets set.
- The Environmental Champions have continued to raise awareness of environmental issues within the Council, including composting, recycling and energy saving. Follow-up energy and waste audits were undertaken in May 2010 to measure progress. The number of staff leaving their PC on overnight at the Civic Centre is still low (4%) and paper consumption has fallen in 2009/10 by 4%.
- To satisfy the requirements of NI 188: Adapting to Climate Change (as well as a commitment in the Climate Change Strategy), a study into the effects on Council services of extreme weather events has been undertaken. This has involved each Service analysing the effects of past weather events and projections for future climate on services with a view to identifying appropriate actions to reduce current and future risks to the Council. The outcome of the assessment is being compiled to form a corporate adaptation action plan for the Council.

Action within the Community

- Following the adoption of the Climate Change Strategy in January 2008, work is progressing on implementing the action plan. The projects that were awarded funding through Exeter's Climate Change Parking Levy are progressing well:
 - **Warm Up Plus Exeter Grants** – further funding was awarded to continue the grants scheme, providing free loft and cavity wall insulation to households on low incomes and the over 65s and discounted rates for others. The grants have continued to be very popular with homeowners.
 - **Smart Monitors for Schools Scheme** – the scheme has continued for a second year and a total of 13 schools (approximately 250 families) have now taken part. The project, which is a joint initiative between the Council (School's Green Team project) and Transition Exeter, enables children to borrow a smart monitor to record and help reduce their home energy consumption. The feedback from teachers and pupils has been very positive, with some households reducing their energy consumption by as much as 40%.
 - **Retailers' Energy Efficiency Award Scheme** – through the project, a joint initiative between the Council, Global Action Plan and Transition Exeter, 25 businesses have received an audit to help identify opportunities to reduce energy, waste and carbon dioxide emissions. Follow up monitoring is being undertaken to measure the savings made.

- **Heat Loss Survey of Exeter** – following the survey in January 2009, to identify homes and buildings in the city that are losing most heat, the results have continued to be communicated to residents. A mail out campaign to target those properties losing most heat was undertaken, in conjunction with the Devon Warm Zone, to encourage residents to have their homes insulated. As a follow up to this, 6,000 high/medium heat loss houses were visited in order to undertake market research and to raise awareness of insulation grants.
- Funding has been provided as match-funding towards the establishment of a **Carbon Club** for businesses, delivered by Global Action Plan. This is providing businesses with on-site audits, advice, training and networking opportunities to help them reduce energy, fuel and water use and identify opportunities for waste reduction.
- Following completion of the study, '**Services in the River Exe Flood Plain: 2009**', to identify essential infrastructure serving the city that may be vulnerable to flooding, the various utilities have been contacted. Measures to safeguard their installations e.g. design of switching arrangements that give alternate routes for power, raising of equipment above flood levels, building of flood walls etc are being put in place. South West Water is carrying out its own infrastructure inventory.
- The Council is continuing to work closely with the Environment Agency, which is carrying out flood modelling and producing hazard maps to enable particular areas of concern to be identified e.g. the Northbrook flood corridor, allowing the Stage 2 Strategic Flood Risk Assessment to be updated. A successful bid to EA/DEFRA for a small flood alleviation scheme at Pinhoe has also been made.

2. ENERGY/WATER CONSUMPTION

Action within the Council

- The Council has benefited from several schemes installed during 2009/10, which in total are predicted to provide annual savings of 88,802 kWh and 39.5 tonnes of CO₂. These savings have resulted from the installation of a lighting regulation control system at the Livestock Centre, the fitting of valve and pipe insulation at the Guildhall and the installation of "smart meters" at the Civic Centre to enable more effective monitoring and control of energy use through the building management system. Further works planned for 2010/11 include a total of 13kW's of Solar PV arrays, advanced SMART meters to provide 1/2 hourly consumption data at other sites, energy efficient lighting in car parks and the installation of active voltage regulation systems at the Corn Exchange and MRF. In total, the annual savings from these measures are predicted to be 130,763 kWh and 41.5 tonnes of CO₂.
- New duplex printers have been installed into offices, significantly reducing the overall number of printers across the Council. This should result in reduced energy use, as well as a reduction in paper consumption due to increased levels of duplex printing.

Action within the Community

- The Council, in partnership with the other 9 local authorities in Devon, continues to promote the Cosy Devon insulation scheme (formerly Devon Warm Zone), in which the full range of energy efficiency grants are being actively promoted to households. So far, approximately 700 loft and cavity wall insulation measures have been installed in Exeter, including 488 measures in 358 properties in 2009/10. The Warm-up Exeter Scheme, which provides reduced-cost insulation for low-income households who are just above benefit levels has continued to be delivered. Utilising funding from the Climate Change

Parking Levy, the scheme has been extended to provide free insulation to households aged over 65 and on low incomes.

- Private landlord grants continue to be provided with grants to improve the energy efficiency of rented properties. During 2009/10, 138 households received grants, resulting in 399 measures being installed, including 20 central heating systems and 67 boilers. The scheme has now been extended to poorly converted buildings as a trial and 10 properties (31 households) received grants in 2009/10. These grants will continue to be offered in 2010/11 in order for the trial to be evaluated further.
- A further 30 cavity wall and 80 loft insulation measures were undertaken in Council owned dwellings in 2009/10. This means that 92% of all lofts and 99.1% of cavities have now been insulated and virtually all external doors have been replaced. The Council is on track to meet its target of all homes having loft and cavity wall insulation (where feasible) by April 2011. The programme of external rendering and upgraded insulation to British Iron and Steel houses (BISF) continued, insulating 16 homes, and 52 flats were externally rendered/insulated. A further 52 flats will be completed in 2010/11. In addition, gas condensing boilers with a SEDBUK 'A' rating have been installed into a further 141 Council homes to replace old, inefficient gas/electric systems and a further 100 properties will benefit in 2010/11. As a water saving measure, spray adapter taps are now fitted as standard as part of the bathroom modernisation programme.
- A number of activities took place in Energy Week in October 2009, including a Waste Buster event in Bedford Square, re-launch of the smart monitor loan scheme to householders and 10 energy displays around the city. Activities were undertaken to promote Earth Hour, the Tck Tck climate campaign and 10:10 campaign to staff, residents and schools.

3. WASTE/RECYCLING

Action within the Council

- The new waste and recyclables collection arrangements that were introduced at many Council offices in February 2009 through the Environmental Champions scheme are still operating well. Although there has been a small increase (11%) in waste levels at the Civic Centre since last year (based on an audit in May 2010), this still represents a 32% reduction since the scheme was introduced and a 72% reduction since monitoring of waste levels began in April 1998. At Oakwood House, recycling rates have increased from 50% in April 2008 to 68% in May 2010, as a result of the new recycling arrangements.
- A compost roadshow and sale day was organised in September 2009 to encourage staff to compost organic waste at work and at home. Compost caddies have been provided for staff who wish to collect organic waste to take home for composting. A composter was also purchased for The Ark and a wormery for Bradninch Office to compost organic waste from offices. A wormery has been operating at Oakwood House for many years.
- New recycling points for small domestic batteries have been introduced at the Civic Centre and Bradninch Office, adding to the points already available at Oakwood House and Belle Isle Nursery. The facilities, which are suitable for all types of portable batteries e.g. AA, AAA, button cells etc, will help divert some of the 1 billion batteries discarded in the UK each year and so help prevent pollution by removing the hazardous metals they contain from the waste stream.
- To encourage the purchase of recycled paper, the Council has registered with the Supply of Printing and Copier Papers Framework, operated by OGC Buying Solutions. This

enables the Council to access good quality recycled copier and printing papers at a reduced cost, both when purchasing paper directly or via a printing contractor. It is estimated that savings of approximately 20% can be made by purchasing paper through the framework.

Action within the Community

- The Council's recycling/composting rate for domestic waste remained stable in 2009/10 at 36% and the amount of material composted through the garden waste composting scheme increased slightly to 2,182 tonnes. Activities continued to promote home composting, including 6 compost days, which resulted in the sale of 393 composters.
- All schools in Exeter continue to participate in the school recycling scheme, which provides schools with large bins for mixed recyclables and smaller boxes for collecting the materials in classrooms and offices. In addition, many schools and groups have continued to benefit from educational talks and workshops on waste and recycling issues, with Council officers either visiting the schools, or using hosted visits to the multimedia suite in the MRF visitors' room. During 2009/10, the recycling team hosted over 80 events, including visits to the MRF, talks to community groups, fun days, school fetes, compost giveaways and events promoting re-usable bags. In addition, 'Nappuccinos' take place on the first Wednesday of the month in the Scout Hut in Heavitree. Officers work with a real nappy advisor to help parents see the benefits of using real nappies over a cup of coffee and play activities for children.
- 25 schools have signed up to the Green Team project where progress on green initiatives is rewarded by the 'building of a tree'. 5 schools are now onto their second tree and have been presented with a real tree to plant and a brass plaque to mark their achievement. In February 2010 the 12 original Green Team schools were invited to the Acorn Awards ceremony at the Corn Exchange, Exeter's answer to the BAFTA's. 8 awards, including the Denis the Dust Cart award for innovation, were presented to the children by Nick Baker, naturalist and TV presenter. Nick has now agreed to be the Green Team President for the year.
- The South West Love Food Hate Waste campaign ran across the region during October and November 2009. Local authorities got together to promote the message and pooled resources to buy advertising space across the media, purchase promotional materials and to deliver road shows locally. Residents were encouraged to make a pledge to reduce their food waste and were rewarded with cook books or useful gadgets to measure food quantities.
- The trade waste recycling scheme continues to be a success with materials being collected from 635 businesses. The quantity of recyclable materials collected has risen by 14% to an average of 38 tonnes per month.

4. SUSTAINABLE PURCHASING

- Work is continuing to integrate sustainability issues into the Council's procurement activities. The new Sustainable Procurement and Commissioning Strategy has been adopted and demonstrates a practical commitment to promote and improve the economic, social and environmental well being of the city and surrounding area. The continued use of an electronic procurement system and increased use of the website provides environmental benefits in terms of moving towards a paperless process and encourages local contractors to work with the Council. The Council is actively working with the Federation of Small Businesses and other procurement bodies to increase their involvement in Council contracts, maximising the environmental and economical benefit to the city.

- The Green Accord, a sustainability accreditation scheme to evidence the commitment of organisations that supply or buy from the Council, continues to be a success. All contractors on the Council's Select List for general building works have committed to the Green Accord and passed a self assessment, grading their ability to meet the Council's sustainable agenda. A web site is being developed and the Green Accord accreditation has been copy-righted. The scheme has been 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.

5. SUSTAINABLE TRANSPORT

Action within the Council

- The Green Travel Plan was introduced in July 2006 with the aim of promoting and encouraging more sustainable ways for staff to travel to work and, once at work, for going about their business travel. Staff continue to take up the challenge, saving themselves money, improving their health and helping the environment in the process. In the last year, the following facilities were used by staff:
 - 46 staff have purchased discounted annual bus tickets
 - 46 staff are now getting a discount on park and ride bus tickets
 - 30 staff have claimed discount on the rail season tickets
 - 36 new bicycles were purchased through the Cyclescheme
 - the pool bikes at the Civic Centre and Exton Road were used 170 times
- The Council's pool cars are frequently used and all staff have access to up to five cars from the Exe Car Club, which are parked in Southernhay and other locations throughout the City. The Green Travel Plan includes a workplace parking charge for staff who bring their cars to work. The money raised from this charge is used to help finance the travel discounts available to staff.
- Twelve of the Council's refuse vehicles are now running on 50% bio-fuel, which is produced locally from recycled vegetable oil and has a significantly lower carbon footprint than conventional diesel. Plans are underway to increase this to further refuse and street sweeping vehicles and the potential to install a second tank at Belle Isle Nursery to provide fuel for Parks and Open Spaces vehicles is being explored. Fuel usage and mileage travelled continues to be monitored using fleet management software and checks are being undertaken to identify higher than average fuel consumption. Plans are also underway to introduce eco driver training, to help reduce fuel consumption further. All refuse collection vehicles are being tracked in order to monitor efficiencies and reduce duplication of routes, plus all new vans are being fitted with a tracking system for the same reasons. A trial of hydrogen hybrid technology is underway in one of the Council's refuse vehicles, with a view to fitting to further vehicles if successful.

Action within the Community

- We are continuing to engage in Devon County Council's plans to develop a High Quality Public Transport service (now known as Project Exe-press), which will include links from the new community at Cranbrook, and other areas earmarked for development such as Newcourt, to the City Centre and Central and St David's stations. The intention is that this and other associated improvements to the bus network will deliver a major change in the quality of local bus services, thereby encouraging a switch from car-based travel. Public consultation took place in Spring 2010 and DCC are now working on a funding bid. The intention is for this to be submitted later in 2010, although this is subject to any changes that the new Government may make to the relevant funding streams.

- A continuing programme of highway improvements is being designed and implemented by Devon County Council, in consultation with Exeter City Council. The aim is generally to improve traffic flows at pinch points, especially for outbound traffic (to relieve congestion within the city) and/or where reliability of bus services is adversely affected.
- The Council makes an annual contribution to the ExeRail Partnership for station improvements and local rail publicity material. This is also supported by Devon County Council and other Districts. The Council submitted a response to the Great Western Route Utilisation Strategy emphasising the need for additional stations at Newcourt and Monkerton. Discussions are continuing with Network Rail and First Great Western regarding improvements to St David's and Central stations.
- A series of enhancements to walking and cycling facilities have been implemented or are planned to be undertaken:
 - Shared-use path from Ludwell Lane to Topsham Road has been completed. Planning applications have been submitted for the extension of this path around the Northbrook Pitch & Putt Course, and another for a path from King George V Playing Fields to Topsham Road.
 - Improvement of Sir Alex Walk footpath (Topsham to Countess Wear) is continuing in stages.
 - A path at Digby and Sowton station has been widened to make it suitable for cyclists.
 - The Hamlyns Lane section of the Exwick Loop has been granted planning permission and is due to be constructed during 2010.
- The Cycling Demonstration Town programme is continuing, providing funding for cycling infrastructure improvements and significantly increasing levels of cycling at secondary schools and at other key travel generators. As a result of the programme, a 40% increase in cycle trips has been observed since 2007. The Cycle Exeter team are working to embed good practice (e.g. in design of new developments) to ensure this level of use continues until the end of the scheme in 2011.
- The final phase (Phase III: Pinhoe/Mincinglake) of the TravelSmart programme, providing individualised travel marketing to residents, was completed, and evaluation of the programme was undertaken. Just under 5000 households (more than half of those contacted) requested and were provided with information about green travel opportunities relevant to where they lived.

6. STREET CLEANLINESS

- The national performance indicator on street and environmental cleanliness (NI195) continues to show improvements on previous years, with levels of litter, graffiti and fly-posting continuing to decline. To further improve street cleanliness in the city, litter and dog patrols have continued and refuse that is put out too early for collection continues to be targeted. These activities resulted in 394 litter and 42 Dog Control Order tickets being issued to offenders in 2009/10, resulting in 38 litter and 3 dog fouling prosecutions for failing to pay the fixed penalty ticket. An officers' Task Group was set up in June 2010/11 to tackle refuse problems throughout the city, concentrating initially on the City Centre Fore Street area.

7. AIR, LAND AND WATER QUALITY

- Following the declaration of a single air quality management area (AQMA), covering all the main routes into the city in April 2007, officers are working with Devon County Council Transport Officers and Exeter University to implement and monitor the impact of the Air

Quality Action Plan. The first Action Plan Progress report was issued in August 2009 and concluded that progress with implementing the Action Plan measures was generally good. It was not possible after just one year, however, to identify any resulting trend in air quality. Officers are working with DCC to formulate the new Local Transport Plan, which will incorporate measures to improve air quality in the AQMA.

- Sites within the city with a current or historical industrial use have been identified and recorded on GIS. A database of these sites has been compiled and the sites prioritised for further investigation. Officers continue to undertake assessments of the “higher risk” sites and many sites are being dealt with through the planning process.

8. COUNTRYSIDE AND WILDLIFE

- Exeter has many natural habitats that are considered to be of County or Regional importance. These include wild flower meadows, woodlands, wetlands and traditional farmland. The Countryside Service continues to manage and undertake projects to improve the biodiversity value of these sites. The team organised a successful series of events in 2009/10 to help people enjoy the Valley Parks and other natural green spaces in the City - from an introduction to dragonflies, to shire horses ploughing and sowing fields of barley to create winter bird feeding areas.
- A successful bid was made to Natural England for Higher Level Stewardship funding. As a result, the Council will receive circa £250,000 over the next 10 years to further enhance the wildlife value of the Valley Parks and help people to enjoy these areas.
- The implementation stage of the Wild City Project is now underway. This is a partnership with the Devon Wildlife Trust, with strong support on particular projects from the British Trust for Conservation Volunteers, the RSPB, Exeter CVS and others. Wild City initiatives include a project to conserve breeding swifts in the city, a bid to Natural England's Access to Nature Fund, and a project with the Environment Agency and ECC Parks & Open Spaces to increase the biodiversity of the Exe Valley through the city.
- A major repair programme to the Grade II Listed Building, Countess Wear Paper Mill has been undertaken. This includes a new roof, wall strengthening, window security and the creation of a bat loft. Brown long-eared bats are already using the new loft. The building will be used for occasional guided walks and will be available as a temporary exhibition space, especially related to promoting the local history and wildlife of the locality.
- Mincinglake Community Orchard is being planted on the site of the old adventure playground in the Valley Park. Local residents and schools are doing the planting and the orchard will soon be yielding apples that can be harvested for local consumption.
- Otter habitat and breeding sites are being created in the Riverside Valley Park, initially in and around the Double Locks Wetland area. The work is being carried out by volunteers from the Ambios Trust.

9. SUSTAINABLE CONSTRUCTION

- Work is continuing on the preparation of the Local Development Framework for Exeter. The draft Core Strategy includes policies on sustainable construction, biodiversity, green infrastructure, air quality and flood risk and has been updated to ensure it reflects government guidance and fully supports the transition to a low carbon economy. Whilst the Regional Spatial Strategy will be abolished, it is intended to submit the Core Strategy to the Secretary of State late in 2010. To provide an evidence base for the Core Strategy, phase 2 of the Green Infrastructure Study, to develop a strategy and provide guidance on delivery, has been completed. A Residential Design Guide SPD has been prepared and

is being consulted on, which will include guidance on sustainable design (including green roofs, water conservation etc) for new developments and is due to be adopted in Autumn 2010.

- The Council, in conjunction with The Highways Agency, Devon County Council and East Devon District Council continue to assess the transport and other infrastructure needed to serve development in the Exeter area. The outcome of the assessment will form the basis of transport guidance in the Core Strategy. Section 106 agreements have also been used to promote transport sustainability, including the provision of folding bicycles in student accommodation and financial contributions for a car club at Newcourt. The Masterplans for Newcourt and Monkerton and Hill Barton have undergone consultation in 2009/10. Viability and delivery work is continuing.
- Works have commenced on site at Sivell Place and Merlin Crescent to deliver 21 new affordable homes designed to meet 'Passivhaus' certification standards, with a completion date scheduled for March 2011. Planning applications have been submitted (April 2010) for a further 22 homes to be built to Level 4 of the Code for Sustainable Homes and two further planning applications are scheduled to be submitted in May 2010 for a further 33 homes all designed to meet 'Passivhaus' certification standards. Sovereign Housing Association have obtained planning consent for the construction of 51 homes spread over 4 sites, all designed to meet Code Level 4 and 'Passive House' principles. These homes are awaiting HCA funding before they can commence.

10. OTHER

- A range of events and activities were undertaken in Fairtrade Fortnight 2010, including a launch event at St Stephen's Church and a reception for the Lord Mayor of Exeter, visiting cocoa farmer from Ghana and Fairtrade campaigners at the Custom House. Exeter's Fairtrade Directory was updated and 9,000 copies distributed through Exeter Living magazine, schools, libraries, cafes and large employers. 10 Fairtrade displays in supermarkets, cinemas and the Customer Service Centre were organised, providing information about Fairtrade and copies of the new directory. Considerable media coverage was obtained throughout the Fortnight, including over 10 articles in the Express and Echo, as well as radio coverage and articles in the Exeter Citizen and Exeter Living.
- Sustainability systems based auditing (SBA) control matrices have been developed by the Council's Internal Auditors and published by the Chartered Institute of Public Finance and Accountancy (CIPFA). The SBA tests cover areas such as transport, procurement and waste management to check if staff are complying with the Council's policies and procedures and whether measures have been undertaken to help embed sustainability. Sustainability checks are also being built into all financial and non-financial systems that are audited. In 2009/10 an audit was commenced of the Council's procurement practices to assess how we are performing against the 'Sustainable Procurement Task Force' recommendations and performance measures.

**CARBON MANAGEMENT STRATEGY AND IMPLEMENTATION PLAN
MONITORING OF ACTION PLAN (July 2010)**

Projects for completion 2007/2008

Project	Lead Officer (s)	Completion Date	Progress Made
Replacement of the oil boiler at Belle Isle Nursery with a wood pellet boiler	Completed	April 2008	Completed
Installation of energy saving transformer at the Civic Centre (voltage optimisation)	Paul McCormick /John Street	April 2008	Completed
Provision of automated meter reading at sites not currently metered on a half hourly basis	Paul McCormick	April 2011	Civic Centre connection complete, Civic Centre Car Park & Corn Exchange planned within next 6 months

Projects for completion 2008/2009

Project	Lead Officer (s)	Completion Date	Progress Made
Recruit and train Environmental Champions to promote behavioural change amongst staff	Kathryn Lamble	April 2009	Training completed and four campaigns undertaken, focusing on saving energy, reducing/reusing waste, recycling and 10:10 campaign.
Installation of Powalite system to Civic Centre MSCP lighting	Paul McCormick /John Street	April 2009	Work completed.
Trial of bio-diesel (from recycled vegetable oil) in vehicle fleet	Paul McCormick /Haydn Davies	April 2009	12 refuse vehicles running on 50% bio fuel and plans to install a further tank at Belle Isle Nursery.
Upgrade Livestock Centre lighting	Paul McCormick /Dave Lewis	March 2010	Voltage regulation system installed onto lighting system. Work completed, still some outstanding issues, but initial measurements indicated approximately 22% saving when lighting used.
Upgrade Civic Centre lighting	Paul McCormick /John Street	April 2009	On going being carried out in stages.
Installation of energy saving transformer at the Livestock Centre	Paul McCormick /Dave Lewis		No further progress as whole site optimisation would be of little benefit as largest load is lighting which is now regulated (see above).

Fitting of time clocks to all vending machines/auxiliary office equipment and SAVA plugs (fridges)	Kathryn Lamble/ Paul McCormick	April 2009	Time switches fitted to some printers and other equipment. No other work planned at this stage.
Improve accessibility of recycling points in offices	Kathryn Lamble	April 2009	Completed - new recycling scheme rolled out across 16 sites in February 2009. 40% reduction in waste to landfill at the Civic Centre achieved as a result.

Projects for completion 2008/2009 Continued

Project	Lead Officer (s)	Completion Date	Progress Made
Eco- driver training	Paul McCormick /Haydn Davies	April 2009	Progressing - to be linked with CPC requirement for HGV drivers.
PC screens to standby after 15 minutes instead of 30 minutes (bypassing the screen saver)	Paul Evans	April 2009	Trial of IT power management software undertaken.

Proposed projects for completion 2009/2010

Project	Lead Officer (s)	Completion Date	Progress Made
Replace the light fittings at King William MSCP Extension	Paul McCormick /Steve Carnell	April 2010	Client holding decision pending more extensive refurbishment scheme for car park through Engineering and Construction
Replace the light fittings at King William MSCP	Paul McCormick /Steve Carnell	April 2010	Outline quotation obtained from Mission Environmental. On hold due to above scheme.
Replace the oil boiler at the Corn Exchange with a wood pellet type	Paul McCormick /Dave Lewis	April 2010	Scheme now abandoned due to very high capital costs & logistical issues of building.
Installation of energy saving transformer at the MRF	Paul McCormick /Mike Trim	April 2010	Awaiting maximum demand information from FIT. Scheme to be taken forward in 2010 /11
Guildhall energy efficiency improvements	Paul McCormick /John Street	Nov 2010	Valve insulation fitted, all works completed within boiler house. Remaining works, including fitting of TRV's to be completed during summer heating shutdown 2010.

Further Opportunities for 2010/11 – 2012/13

Project	Lead Officer(s)	Completion	Progress Made
---------	-----------------	------------	---------------

		Date	
Cathedral and Quay MSCP lighting	Steve Carnell / Paul McCormick		Feasibility works required.
Harlequins MSCP lighting	Steve Carnell / Paul McCormick		Feasibility works required.
Guildhall MSCP lighting	Steve Carnell / Paul McCormick		Completed
Mary Arches MSCP lighting	Steve Carnell / Paul McCormick		Works delayed due to issues raised from FIT, alternative quotation obtained for simple T5 adaptor conversion.
Corn Exchange voltage optimisation	Dave Lewis/ Paul McCormick		Voltage demand survey undertaken by Claude Lyons (May 2010) & quotation provided for suitable units. Design works now required to determine position of units.
Review of MSCP's opening hours	Steve Carnell / Paul McCormick		Need to address further by discussion with car park manager
Replacement of the oil boiler at the Civic centre with a wood pellet type	John Street		Scheme now on hold due to very high capital costs & logistical issues of building.
Investigate part funding of projects from Carbon Trust by first seeking free design advice from the Trust.	Paul McCormick		Interest free loans available based on Carbon Savings, £1,000 per 1.5 tonnes of Co2 saved.

Embedding projects to be investigated 2008/09 onwards

Project	Lead Officer (s)	Completion Date	Progress Made
Setting of carbon reduction targets for individual directorates or units	Kathryn Lamble / Paul McCormick	-	Difficult to measure emissions on a directorate or unit basis.
Business plans/Service Improvement Plans to include measures to be taken to address carbon management	Subject to SMT report	-	Carbon management and adaptation issues included in new Annual Review of Service Excellence plans, which replace Service Improvement Plans.
Carbon impact assessment on policies/strategies and policy alignment	Subject to SMT report	-	No progress
Annual appraisal process to address carbon management/assessment of staff training needs in relation to carbon management	Subject to SMT report	-	SMT decided not to proceed with this action.
Development of an environmental code of conduct for staff	Kathryn Lamble	-	Green awareness handbook being prepared.
Place greater emphasis on carbon management in	Ian Walker /	-	Carbon management integral part of induction training

induction training	Kathryn Lamble		and Inconvenient Truth film shown to new staff every 6 months.
Incorporate energy saving message in relation to PC use into all IT training courses	Ian Walker / Kathryn Lamble	-	Energy saving message is incorporated in IT training courses.
Develop measures to address carbon management through procurement	Paul McCormick/ Kathryn Lamble	-	Development of Green Accord initiative contributes to this.
Development of a guidance note for lighting, heating projects etc	Paul McCormick	-	To be undertaken in 2010/11.

Other measures with the potential to effect savings will be investigated such as:

Project	Progress Made
Automatic taps in washrooms and waterless urinals	Ongoing refurbishment of washrooms at Civic Centre, including low-flush toilets and more efficient taps.
Upgrade of lift control systems	Completed
Review of IT Data Centre temperature control and setting	Not progressed
Investigation of auto shutdown/hibernation software for PCs	Trial of software undertaken.
Review of the Council's Green Travel Plan	Plan reviewed on regular basis (last time in 2008).
Incorporation of carbon management objectives into the Leisure Centres contract when re-let in 2010.	Undertaken 2010
Renewable energy sources such as wind, solar and combined heat and power (CHP)	Three wind turbines on roof of Civic Centre and plans to install PV panels onto Council buildings being progressed.
Kerbside collection of used vegetable oil for conversion to bio-diesel	Not considered feasible to collect used vegetable oil but help provided to a local business wishing to produce biodiesel to supply to Council.

ENVIRONMENTAL/SUSTAINABILITY INDICATORS

Indicator	Trend	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Energy Use											
The average SAP* of Council owned dwellings (BVPI 63). Target: increase the SAP ratings of Council houses incrementally to 69.76 by 2014/15 (using new calculation methodology).	Better	N/a	N/a	48.1	52.0	60.0	65.0	68.6	69.3	67.6 (new methodology - not comparable with previous data)	68.5
The average SAP rating of private sector housing.	No change	N/a	N/a	N/a	N/a	N/a	N/a	2006: 61	2007:62	2008: 50 (new methodology - not comparable with previous data)	Dec 2009: 50
Waste/Recycling											
Annual amount of household waste collected per person (including Civic Amenity site waste)	Better	0.48 tonnes	0.50 tonnes	0.52 tonnes	0.49 tonnes	0.49 tonnes	0.46 tonnes	0.46 tonnes	0.46 tonnes	0.44 tonnes	0.43 tonnes [#]
Percentage of household waste recycled and composted	Better	11.3%	12.0%	14.4%	17.2%	20.7%	30.0%	33.9%	35.2%	36.3%	36.1%
Transport											
Number of cycling trips in Exeter										1,094,447 (2008)	1,115,173 (2009)
Number of bus and train journeys to and within Exeter	No change	11.63 million journeys (bus and train)	11.75 million journeys (bus and train)	12.25 million journeys (bus and train)	12.20 million journeys (bus and train)	12.98 million journeys (bus and train)	-	-	Bus (incl P&R): 8.36 million journeys within Exeter	Bus (incl P&R): 8.33 million journeys within Exeter Train: 190,000 journeys (both within Exeter)	Bus (incl P&R) [†] : 8.41 million journeys within Exeter Train: 206,555 journeys (both within Exeter)
Percentage of children travelling	Better	N/a	Walk	Walk	Walk	Walk	Walk	N/A	Walk	Walk	Walk

Indicator	Trend	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
to school by different modes			(54.7%) Car (30.0%) Cycle (3.0%) Bus/train (12.1%)	(57.7%) Car (30.2%) Cycle (2.7%) Bus/train (8.8%)	(55.0%) Car (29.2%) Cycle (3.4%) Bus/train (11.7%)	(62.1%) Car (27.7%) Cycle (2.6%) Bus/train (7.0%)	(67%) Car (23.5%) Cycle (4.7%) Bus/train (4.1%)		(62.4%) Car (24%) Cycle (4.0%) Bus/train (9.5%)	(62.4%) Car (23.8%) Cycle (4.3%) Bus/train (9.4%)	(62.6%) Car (23.1%) Cycle (4.9%) Bus/train (9.1%)
Street Cleanliness											
Percentage of land/highways that have deposits of litter and detritus that fall below an acceptable level. Target: 6.5% by 2009/10 (litter), 8.5% by 2009/10 (detritus)	Better	New indicator 2003/04	New indicator 2003/04	New indicator 2003/04	19% (com-bined figure)	15% (com-bined figure)	10% (com-bined figure)	9.4% (com-bined figure)	6.1% (com-bined figure)	a) litter 2.0% b) detritus 7.0%	a) litter 1.0% b) detritus 7.0%
The proportion of relevant land and highways from which unacceptable levels of graffiti are visible Target: 2.1% by 2009/10	Better	N/a	N/a	N/a	N/a	N/a	3.4%	2.9%	2.2%	2.0%	1.0%
The proportion of relevant land and highways from which unacceptable levels of fly-posting are visible. Target: 0.5% by 2009/10	Better	N/a	N/a	N/a	N/a	N/a	0.8%	0.7%	0.2%	0.0%	0%
Percentage of residents who are satisfied with the standard of street cleaning	No change	65%	Data collected every 3 years	Data collected every 3 years	57%	Data collected every 3 years	Data collected every 3 years	69%	Data collected every 3 years	63%	Data collected every 3 years
No. complaints received regarding dog fouling per 1,000 population	Worse	162 (1.44 per 1,000 pop)	95 (0.85 per 1,000 pop)	90 (0.81 per 1,000 pop)	78 (0.72 per 1,000 pop)	86 (0.75 per 1,000 pop)	80 (0.68 per 1,000 pop)	87 (0.73 per 1,000 pop)	103 (0.86 per 1,000 pop)	127 (1.03 per 1,000 pop)	152 (1.23 per 1,000 pop) [#]
Air, Land, Water Quality											
Average number of days when air pollution is moderate and high for NO ₂ , SO ₂ , O ₃ , CO or PM ₁₀ (recorded at monitoring site in Queen St)	No change	2000: NO ₂ = none SO ₂ = none Ozone = 16 PM ₁₀ = no data	2001: NO ₂ = none SO ₂ = none CO = none Ozone = 30 PM ₁₀ = 13	2002: NO ₂ = none SO ₂ = none CO = none Ozone = none PM ₁₀ = 9	2003: NO ₂ = none SO ₂ = none CO = none Ozone = 1 PM ₁₀ = 3 [^]	2004: NO ₂ = none SO ₂ = none CO = none Ozone = 3 PM ₁₀ = 21	2005: NO ₂ = none SO ₂ = none CO = none Ozone = 4 PM ₁₀ = 6	2006: NO ₂ = none SO ₂ = none CO = none Ozone = 20 PM ₁₀ = 7	2007: NO ₂ = none SO ₂ = none CO = none Ozone = 19 PM ₁₀ = 6	2008: NO ₂ = none SO ₂ = none CO = none Ozone = 51 PM ₁₀ = 7	2009: NO ₂ = none SO ₂ = none CO = none Ozone = N/A PM ₁₀ = 4

Indicator	Trend	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Nitrogen dioxide levels in a) High St (Guildhall), b) Alphington St and c) Fore St Heavitree (ppb)	Worse	a) = 14.7 b) = 18.4 c) = 14.3	a) = 13.4 b) = 20.2 c) = 14.5	a) = 15.1 b) = 22.9 c) = 16.1	a) = 18.0 b) = 24.6 c) = 18.4	a) = 14.5 b) = 22.3 c) = 17.8	a) = 15.1 b) = 22.9 c) = 17.4	a) = 18.4 b) = 24.6 c) = 19.6	a) = 18.0 b) = 27.1 c) = 22.9	a) = 16.4 b) = 26.0 c) = 22.8	a) = 18.0 b) = 29.7 c) = 21.9
No. of noise complaints made per 1,000 population	Better	N/a	N/a	N/a	N/a	N/a	N/a	N/a	1468 (12.3 per 1,000)	1686 (13.7 per 1,000)	1345 (10.9 per 1,000) [#]
No. of 'sites of potential concern' with respect to land contamination	Better	N/a	N/a	N/a	N/a	N/a	350	346	345	340	335
River water quality (chemical) in a) River Exe, b) North Brook, c) Alphin Brook and d) Exeter Canal	No change	2000: a) Very good b) Fairly good c) V. good/ good d) Fairly good	2001: a) Very good b) Fairly good c) V. good/ good d) Fairly good	2002: a) Good/ fairly good b) Fairly good c) Good d) Fairly good	2003: a) V good/ fairly good b) Good c) Good d) Fair	2004: a) V good/ good b) Good c) Good d) Fair	2005: a) Very good b) Good c) Very Good/ Good d) Fair	2006: a) V good/ good b) Good c) V Good/ Good d) Fairly good	2007: a) V good b) N/a c) Good d) Fairly good	2008: a) V good b) N/a c) Good d) Fairly good	Data not yet available
Countryside and Wildlife											
Areas of protected natural or semi-natural habitats (SSSIs, ESAs, local nature reserves etc)	No change	259.5 hectares	259.5 hectares	259.5 hectares	259.5 hectares	261.5 hectares	261.5 hectares	261.5 hectares	261.5 hectares	261.5 hectares	261.5 hectares
Areas of semi-natural green space available for community use per 1,000 population e.g. Valley Parks	Worse	6.5 hectares	6.6 hectares	6.7 hectares	6.6 hectares	6.5 hectares	6.3 hectares	6.2 hectares	6.2 hectares	6.1 hectares	6.0 hectares [#]
Percentage of residents satisfied with parks and open spaces	Better	64%	Data collected every 3 years	Data collected every 3 years	78%	Data collected every 3 years	Data collected every 3 years	80%	Data collected every 3 years	72.5%	Data collected every 3 years
Percentage of new homes built on previously developed land (BVPI 106)	Worse	96%	96%	90.5%	70%	55.4%	87.5%	80.4%	68.6%	97.3%	N/A

* SAP is the Government's Standard Assessment Procedure for the Energy Rating of Dwellings. The higher the number the more energy efficient the building is. From 2008/09, SAP 2005 methodology has been used, replacing SAP2001. As a result, the figures for 2008/09 onward are not comparable with previous figures.

[#] calculated using population data for mid 2008 (123,500) as figures for 2009 are not yet available.

[†] provisional data

[^] data for March to December only due to database problem.

