

Corporate Policy and Strategy Committee

10am, Tuesday, 16 April 2013

Sustainable Edinburgh 2020 Annual Report and Scottish Climate Change Declaration Annual Report

Item Number	7.3
Report number	
Wards	All

Links

Coalition pledges	P8, P11, P15, P17, P18, P19, P23, P25, P24, P28, P32, P33, P40, P43, P45, P46, P47, P48, P49, P50, P51, P52, P53
Council outcomes	All
Single Outcome Agreement	

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Sustainable Edinburgh 2020 Annual Report and Scottish Climate Change Declaration Annual Report

Summary

- This report presents (i) the Sustainable Edinburgh 2020 Annual Report, and (ii) the Scottish Climate Change Declaration Annual Report, which describe progress made against key carbon, climate and sustainability targets and legal duties.

Sustainable Edinburgh 2020

- In 2011 the Council approved 'Sustainable Edinburgh 2020' (SE2020), a policy framework setting out the aims, objectives and targets for the sustainable development of the Council and the city to 2020. An initial two-year action plan for SE2020 was approved on 27 March 2012, which identified priority programmes to implement SE2020 and promote social, economic and environmental benefits.
- The first annual report on progress (see Appendix 1) sets out the action plan items under the Aalborg Commitments, which are the 10 framework themes of SE2020, and highlights other developments in each theme.

Scottish Climate Change Declaration

- All Scottish councils signed the Scottish Climate Change Declaration (SCCD) in 2007. As a signatory, the Council must submit an annual report on progress in a number of areas of climate change policy, including mitigation and adaptation.
- COSLA has written to all Council Leaders requesting that they submit a response by 31 March 2013 for the 2012 reporting period. Edinburgh's draft response is attached as Appendix 2.

Highlights

- From these two annual reports the main highlights for 2012 include: the re-establishment of an Edinburgh Sustainable Development Strategic Partnership; a new Cooperative Capital Agreement with robust sustainability targets; the establishment of the 'Edible Edinburgh' initiative; a continuing decline in the Council's corporate carbon emissions; the achievement of the Carbon Trust Standard for the Council; a significantly improved position in the Carbon Reduction Commitment League Table; positive progress against Local Transport Strategy targets; new Sustainable Procurement and Timber policies; achieving WWF's Silver Pledge award for timber procurement; and BREEAM 'Excellent'

status for 21st Century Homes at Gracemount, the new East Edinburgh Local Office and the Wester Hailes Healthy Living Centre.

Improved Governance for Continued Progress

- The Chief Executive has recently established a new Green Investment Projects Group (GIPG). A Technical and Advisory Group has also been established to support the work of the GIPG. Staff in Services for Communities and Economic Development are supporting the work of the GIPG and developing a list of pipeline projects.
- The Carbon Climate Sustainability Programme Team recently re-established the Edinburgh Sustainable Development Strategic Partnership which will involve over 25 key external stakeholders and link to the new City Community Plan and strategic community planning partnership arrangements.
- The Council Leader and key political representatives have agreed, in principle, to establish and support a new Senior Member and Chief Officer Working Group to link to the Transport and Environment Committee, Corporate Policy and Strategy Committee, Corporate Management Team, Edinburgh Partnership Board and Neighbourhood Partnerships. The work of the group will be aligned to SE2020 and will be chaired by Councillor Orr.

Recommendations

1. The Committee notes the good progress made across the Council in terms of meeting Sustainable Edinburgh 2020 and Scotland's Climate Change Declaration objectives.
2. The Committee agrees to approve the recommendations on page 31 of Appendix 1 and the draft 2012 Scottish Climate Change Declaration Annual Report for submission to COSLA.
3. The Committee notes the recently established Green Investment Projects Group (GIPG) and the re-establishment of an Edinburgh Sustainable Development Strategic Partnership, and agrees to consider resources for the work of the GIPG and Partnership during the annual budget planning process.
4. The Committee approves the establishment of the proposed Senior Member and Chief Officer Working Group.

Measures of success

- Delivery against statutory requirements, specifically the Climate Change (Scotland) Act 2009, which requires the Council to contribute to national emissions reductions targets, deliver any statutory adaptation programmes and act in a sustainable manner.
- Delivery against the Capital Coalition Pledge commitments and SE2020 objectives, specifically to reduce citywide carbon emissions by 42% by the end of 2019/20.

- Reductions in costs associated with energy and fuel, and with landfill and carbon taxes.

Financial impact

- There is £860,000 of funding which was agreed in early 2012 for the Sustainable Edinburgh 2020 action plan, a total of just under £324,395 was spent in 2012/13, leaving a remainder of approx £535,605 allocated to sustainability projects in 2013/14 financial year.
- Successful delivery of carbon, climate and sustainability targets will reduce the Council's carbon and landfill tax payments and reduce energy and fuel bills.
- Future projects to support and drive forward the SE2020 agenda may have a funding requirement and further reports will be submitted when necessary.

Equalities impact

- The delivery of social, economic and environmental sustainability objectives is closely aligned to equality and rights work and enables progress against the Equality Act 2010 duties to eliminate illegal discrimination, victimisation and harassment, advance equality of opportunity and foster good relations. In addition, progress in this area also enables the enhancement of human rights for citizens and service users.

Sustainability impact

- The impacts of this report in relation to the three elements of the Climate Change (Scotland) Act 2009 Public Bodies Duties have been considered. In summary, the proposals in this report will help achieve a sustainable Edinburgh because they improve governance of Council action to reduce carbon emissions, increase the city's resilience to climate change impacts and improve social justice, economic wellbeing and environmental good stewardship.

Consultation and engagement

- The Sustainable Edinburgh 2020 Annual Report and the Scottish Climate Change Declaration Annual Report have been prepared in consultation with staff across the Council and through the collation of information in the public domain relating to the Council's activities and achievements over the reporting period.

Background reading / external references

- Sustainable Edinburgh 2020 – <http://www.edinburgh.gov.uk/sustainableedinburgh>
- Scotland's Climate Change Declaration – <http://climatechange.sustainable-scotland.net/>

Alastair Maclean

Director of Corporate Governance

Links

Coalition pledges	<p>P8 - Make sure the city's people are well-housed, including encouraging developers to build residential communities, starting with brown-field sites.</p> <p>P11 - Encourage the development of co-operative housing arrangements.</p> <p>P15 - Work with public organisations, the private sector and social enterprise to promote Edinburgh to investors.</p> <p>P17 - Continue efforts to develop the city's gap sites and encourage regeneration.</p> <p>P19 - Keep Lothian Buses in public hands and encourage the improvement of routes and times</p> <p>P23 - Identify unused Council premises to offer on short low-cost lets to small businesses, community groups and other interested parties.</p> <p>P24 - Maintain and embrace support for our world-famous festivals and events.</p> <p>P28 - Further strengthen our links with the business community by developing and implementing strategies to promote and protect the economic well being of the city.</p> <p>P32 - Develop and strengthen local community links with the police.</p> <p>P33 - Strengthen Neighbourhood Partnerships and further involve local people in decisions on how Council resources are used</p> <p>P40 - Work with Edinburgh World Heritage Trust and other stakeholders to conserve the city's built heritage.</p> <p>P43 - Invest in healthy living and fitness advice for those most in need.</p> <p>P45 - Spend 5% of the transport budget on provision for cyclists.</p> <p>P46 - Consult with a view to extending the current 20mph traffic zones</p> <p>P47 - Set up a city-wide Transport Forum of experts and citizens to consider our modern transport needs.</p> <p>P48 - Use Green Flag and other strategies to preserve our green spaces.</p> <p>P49 - Continue to increase recycling levels across the city and reducing the proportion of waste going to landfill.</p> <p>P50 - Meet greenhouse gas targets, including the national target of 42% by 2020.</p> <p>P51 - Investigate the possible introduction of low emission zones.</p> <p>P52 - Oppose industrial biomass incineration in Edinburgh.</p> <p>P53 - Encourage the development of Community Energy Cooperatives.</p>
Council outcomes	All
Single Outcome Agreement	
Appendices	Appendix 1 - Sustainable Edinburgh 2020 Annual Report Appendix 2 - Scottish Climate Change Declaration Annual Report

Sustainable Edinburgh 2020

Engaging with our city's future

Annual Report April 2013



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Introduction

In 2011 the Council approved the policy framework 'Sustainable Edinburgh 2020' which sets out the Council's vision for the sustainable development of the city to 2020. The framework commits the Council to ongoing collaboration with partner organisations to develop city-wide programmes specifically focused on this key area of sustainability and sets targets to ensure that by 2020 Edinburgh will have:

- reduced carbon emissions by over 40% across the city;
- more efficient energy consumption across all sectors by at least 12%;
- more renewable energy with renewable energy technologies contributing to at least 40% of energy consumed in the city;
- more low carbon transport using alternative technologies for transporting people and goods around the city;
- adapted to the unavoidable impacts of climate change in partnership with key stakeholders and local communities; and
- increase our micro-generation capacity to 10%.

An initial two-year action plan for SE2020 was approved on 27 March 2012, identifying priority programmes to promote social, economic and environmental benefits.

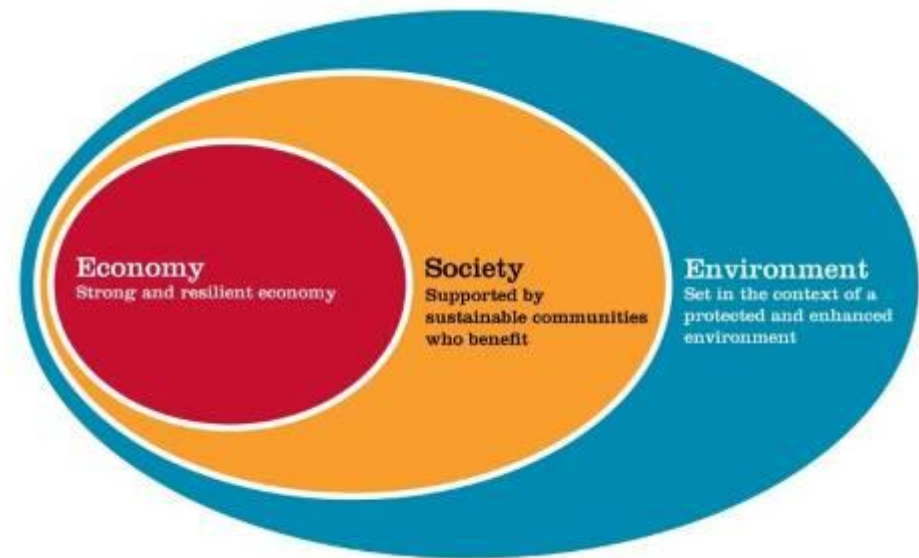
This first annual report on progress sets out the action plan items under the Aalborg Commitments, which are the 10 framework themes of SE2020.

The report describes other developments under each of the themes to show progress not only on the previously specified actions but also on broader cross-Council work. Each theme has been RAG assessed using the criteria below:

R	RED = Project stalled, significant barriers to progress
A	AMBER = Project progressing okay, but some barriers to progress
G	GREEN = Project progressing well, no barriers to progress
√	GREEN √ = Project completed

The Council's Vision for the Edinburgh of the Future

- **SE2020 states:** “Whatever actions we take must be robust enough to cope with unanticipated change but flexible enough to allow the city and its communities the capacity to both adapt to and shape change. In order to be able to see sustainability in practice we must set out a policy framework which will not only guide the work of the Council but will provide a basis for working with our existing and future communities, our partners and our stakeholders.”
- Sustainable development is about more than just the “environment”. Issues such as health, education and employment are as key to sustainability as transport, energy or waste. A strong economy needs a strong society, and both of these depend on a healthy environment. The challenge is to address social, economic and environmental issues in an integrated way in order to achieve sustainable development. In continuing to develop Edinburgh sustainably education and evolving aspirations are important when relating to concepts of wealth, health, growth, happiness and success. This annual reports furthers this holistic approach to sustainability



The Council vision is that:

Edinburgh in 2020 will be a low carbon, resource efficient city, delivering a resilient local economy and vibrant flourishing communities in a rich natural setting.

1. For Promoting Good Governance

“instead of copying best practice, we should be seeking to create the new cutting edge”

Forum for the Future, 2008

Action Plan Items

- **Champion for Sustainability** – Following recent restructuring in Corporate Governance, Nick Croft, Corporate Policy and Strategy Manager, will lead on the corporate strategic sustainability agenda at officer level. A separate report will be brought to Committee with recommendations for an appropriate political champion.
 - **Lead Officer: Nick Croft, Corporate Governance**
- **Edinburgh Sustainability Network** – The Carbon, Climate and Sustainability (CCS) Programme Team has re-established the Edinburgh Sustainable Development Strategic Partnership (ESDSP). Involving over 25 key external stakeholders, the ESDSP will link to the new City Community Plan and strategic community planning partnership arrangements. A city wide audit aligned to the SE2020 Framework is under way; this will inform partnership priorities and help to establish the Sustainable Edinburgh 2020 framework throughout the city.
 - **Lead Officer: Nick Croft, Corporate Governance**
- **Member/Officer Group on Sustainability** – The CCS Programme Team recently agreed with the Council Leader and key political representatives the establishment and support of a new Member/Officer Group to link to the Transport and Environment Committee / Corporate Policy and Strategy Committee / CMT / Edinburgh Partnership Board and Neighbourhood Partnerships. The work of the group will be
 - aligned to SE2020 and chaired by Councillor Jim Orr. Approval for the Group will be sought at the April 2013 Corporate Policy and Strategy Committee. CMT is to identify Heads of Service to participate, representing the Council’s property, transport, planning, open space management, schools, economy and community engagement functions.
 - **Lead Officer: Nick Croft, Corporate Governance**
- **Reporting to CMT and Committee** – A robust system of reporting has been established, with quarterly reporting to CMT through the Corporate Policy and Strategy Manager. From May 2013, Committee Reports will go to the Transport and Environment Committee, with automatic referral into the Corporate Policy and Strategy Committee.
 - **Lead Officer: Nick Croft, Corporate Governance**
- **Develop a Policy and Strategy for a Sustainable Food City** – An initial stakeholder consultation meeting was held on 11 December 2012 to establish the potential of developing Edinburgh as a ‘sustainable food city’. Chaired by Councillor Lesley Hinds, there was strong representation from across the public, community, voluntary and private sectors and agreement to establish a cross sectoral steering group, ‘Edible Edinburgh’, aimed at developing city-wide governance for Edinburgh as a sustainable food city.
 - **Lead Officer: Marianne Paget, Corporate Governance**

Other Developments

- **Capital Coalition Pledges** – On 23 August 2012, the Council agreed the Capital Coalition Pledges to be delivered during the 2012-17 local government term. There are 53 pledges aligned to six high-level commitments. The following pledges of relevance to sustainability lie under the commitment “Maintaining and improving the quality of life in Edinburgh”: to meet greenhouse gas targets, including the national target of 42% by 2020; to spend 5% of the transport budget on provision for cyclists; to use Green Flag and other strategies to preserve our green spaces; to continue to increase recycling levels across the city and reduce the proportion of waste going to landfill; and to encourage the development/expansion of a Community Energy Cooperative/s.
 - **Lead Officer: Nick Croft, Corporate Governance**
- **Workstyle Programme** – This programme will improve the way Council staff work, making the best and most efficient use of workspace and introducing greater choice and flexibility about where and when staff work. As the programme is rolled out, four new profiles have been proposed; **a flexible worker** spends all of or the majority of their time in a single or range of Council offices using shared desks either in their team or in touchdown zones. The majority of office staff will adopt this profile but there will also be a mobile worker, a home-based worker and a fixed worker spending almost all of their time in a single office and requiring a designated desk based primarily on their need for specialist equipment or adapted furniture. The programme will deliver £20m+ savings over 10 years, smaller property estate and a flexible and productive workforce. It will deliver environmental benefits through less staff travel and fewer buildings to heat and light- leading to less energy consumption.
 - **Lead Officer: Mark Steed, Services for Communities**



2. For promoting good management

“the new cutting edge...will come from leadership in the form of courage and risk taking, to... move sustainability into the purpose of designing visions rather than looking at sustainability as an add on”

Green Cities Index 2008

Action Plan Items

- **Mainstreaming Sustainability** – The Council is working in partnership with Jacobs International to develop a Climate Change Act (CCA) Compliance Assessment e-tool for use across the Council. This is the only development of its kind in Scotland and presents a number of income generation opportunities going forward. The Tool will be delivered by the end of April 2013 and the CCS Programme Team will roll-out appropriate user support thereafter. A CECiL course on Sustainable Development has been developed, taking 20 minutes to complete and giving an overview of sustainability and the importance of sustainability to the Council and its employees. CMT has agreed to promote take-up of the course by all members of staff through the PRD system and in induction for new staff. Councillor training has been prepared to increase Members’ capacity to incorporate sustainability when carrying out their duties and arrangements for delivering the training will be progressed by Member Services.
 - **Lead Officer: Alexis Woolley, Corporate Governance**
- **Sustainability checklist** – A checklist and support material have been created to assist all Committee report authors to complete the Sustainability Impacts section of reports appropriately. This is an essential component of developments to ensure that the Council can demonstrate its compliance with sustainability legislation. The CCS Programme Team has delivered briefings to relevant staff and will continue to make these available in order to develop understanding of the material throughout the Council. The work will be reviewed in line with new governance arrangements with an audit in April 2013. The CCA Compliance Tool is aligned with the reports checklist and support material in order to streamline the reporting process for officers.
 - **Lead Officer: Alexis Woolley, Corporate Governance**
- **Sustainability Impact Appraisals** – The development of impact appraisals to ensure strategic policy decisions and major projects are assessed for sustainability impacts, has been delivered as part of the CCA Compliance e-tool in order to streamline the process for officers.
 - **Lead Officer: Alexis Woolley, Corporate Governance**
- **Sustainability Performance Indicators** – The development of indicators for the management of energy in the Council's own buildings is being addressed through the Council's new Energy policy and will be reported to Council in June 2013. A set of indicators for the whole Council will be developed through the new Edinburgh Sustainable Development Strategic Partnership as part of its development.
 - **Lead Officer: Jenny Fausset, Corporate Governance (Energy)**
 - **Lead Officer: Nick Croft, Corporate Governance (Partnership)**
- **Pilot and evaluate Food For Life standards** - The Edinburgh Food For Life pilot is being delivered in partnership with NHS Lothian (pilot at St. John's Hospital), Edinburgh University (pilot

at Pollock Halls) and the Council (pilot at Currie High, Buckstone Primary and Clovenstone Care Home). The first meeting of the Council's FFL steering group was on 4 December 2012 and work is underway to look at how current catering practices can be brought in line with the Bronze standard of the Catering Mark. The aim over the next three years is to attain the Gold Standard and to roll out the standards across all Council catering provision. The 3 year project will tackle current barriers to providing seasonal, fresh, local and organic food, support children and young people, patients, students and staff to engage in the benefits of healthy and sustainable food and will evaluate the impact of the project

➤ **Lead Officer: Marianne Paget, Corporate Governance**

Other Developments

- **Embedding Sustainable Procurement** – In January 2011 the Council agreed a new Sustainable Procurement Policy to be embedded within procurement transformation. The CPST has identified a group of expert internal advisors to work with procurement colleagues to implement the policy. Once dedicated staff resources are identified Procurement will take the lead implementation role.
➤ **Lead Officer: Nick Smith, Corporate Governance (Procurement)**
- **Sustainable Procurement CECiL Course** – The CCS Programme Team has developed this course to help Council employees buy goods and commission services in line with the Council's Sustainable Procurement Policy. Officers can learn about what sustainable procurement is, what the Council's Policy says and how they can begin to implement the Policy by accessing CECiL. The course should take around 25 minutes, and includes opportunities to check learning and give feedback.
➤ **Lead Officer: Bernie Giles, Services for Communities (seconded to Corporate Governance)**



3. For protecting and conserving the environment

We all tend to feel better in the natural environment - so why are we working so hard to destroy it?

Dr Michael Dixon, Chairman, NHS Alliance in Healthy Futures 2007

Other Developments

- **Energy Policy** – The Council has been working with Green Energy Partners, on behalf of the Carbon Trust, to develop an energy policy, consisting of an overarching statement and ten practical, concise procedural documents (e.g. energy governance, measuring energy, buildings performance). This critical area of business figured prominently in the recent Council Budget Motion. The proposal is to seek approval for this work by June 2013.
 - **Lead Officer: Jenny Fausset, Corporate Governance**
- **Biodiversity Plan** – The Edinburgh Local Biodiversity Action Plan (LBAP) is co-ordinated by the Council and has 250 actions that span 2010 to 2015. These actions are delivered by the 31 members of the Edinburgh Biodiversity Partnership, which has a range of partners including third sector and volunteers. The LBAP is a five year roll-over plan to protect, preserve and enhance Edinburgh's biodiversity, habitats and ecosystems. A new section outlining the likely climate change impacts is included in the revised LBAP 2010. The Council's statutory duty to this work derives from the Nature Conservation (Scotland) Act 2004 which states that the Council must "*further the conservation of biodiversity*".
 - **Lead Officer: Caroline Peacock, Services for Communities**
- **Year of Natural Scotland 2013** – The Council agreed support for the Year of Natural Scotland 2013 at the Planning Committee meeting of 6 December 2012. The Council, in collaboration with partner organisations, is coordinating a programme of events that will help promote the Council's work in relation to the environment, biodiversity and sustainability. This work will be reported through the Biodiversity Action Plan: Annual Report 2013-14.
 - **Lead Officer: Caroline Peacock, Services for Communities**
- **Central Scotland Green Network Declaration** – In August 2012 the Planning Committee approved the Council signing a declaration of commitment to the Central Scotland Green Network (CSGN). The CSGN is a National Planning Framework 2 (NPF2) priority project, considered by Scottish Ministers to be an essential element of the strategy for Scotland's long term development. Signing commits Scottish Ministers and the Council to work in partnership to support delivery of improvements in environmental quality, by creating a strategic network of woodland and other habitats, active travel routes, green space links and watercourses, and by providing an enhanced setting for development and other land uses and improved opportunities for outdoor recreation and cultural activity. A new landscape masterplan was created for part of West Edinburgh with the Central Scotland Green Network and it will ensure that new development in the area incorporates high quality green infrastructure.
 - **Lead Officer: Frances Jarvie, Services for Communities**
- **Open Space Management** – The Council's Open Space Strategy 2010 is supported by 12 action plans, one for each neighbourhood partnership area. Strategy, audit and action plans will be used to inform investment, site management

decisions and planning decisions on the loss of open space and provision of open space in new developments. The strategy ensures a coordinated approach is taken to protecting and developing Edinburgh's network of open spaces and promotes the idea of connecting green spaces.

➤ **Lead Officer: Ben Wilson, Services for Communities**

- **Green Flag** – The Green Flag Award recognises and rewards the best parks and green spaces in Britain. In Edinburgh 24 city parks that serve city wide and local need have been awarded Green Flag accreditation in 2012/13. The assessment categories include Welcoming; Healthy, Safe & Secure; Clean & Well Maintained; Sustainability; Conservation; Community Involvement; and Marketing. An internal assessment of the quality of our parks, using the Green Flag criteria, is undertaken annually and the process is overseen by the Green Flag Forum. A set of measurable landscape quality standards have been developed for each of the Greenspace feature types maintained by the Council (e.g. shrub beds, standard amenity grass, rose beds etc). A random sample of these features is assessed monthly. The Park Survey Report presents the top line results of the first full year of operation of the Parks and Greenspace Survey. The findings of this survey will be used, along with the Council's annual internal Green Flag assessments of park quality, to development improvement plans for individual parks.

➤ **Lead Officer: David Jamieson, Services for Communities**

- **The Edinburgh and Lothians Forestry and Woodland Strategy 2012-17** – This high level document provides strategic and delivery-focused advice to those seeking to manage and expand woodland in the region. It provides a policy and spatial framework to optimize the contribution of woodland to people, the economy and the environment, aiming to increase woodland cover across Edinburgh and the Lothians from 13% to over 17% of the total land area. It provides a regional framework to guide the expansion and management of woodland in parallel with

wider sustainable development goals. The document was approved by each Council in the region and launched by the Forestry Commission at the end of October 2012. Council officers are preparing a Trees and Woodland Action Plan for Edinburgh aligned to the priorities identified in this strategy.

➤ **Lead Officer: Frances Jarvie, Services for Communities**

- **Living Landscapes** - The project has its origins in the Scottish Wildlife Trust's vision of an 'ecosystem approach' to green spaces, which aims to not only encourage wildlife and bio-diversity but also enhance their natural beauty. In Edinburgh, the Living Landscapes project forms part of Services for Communities *imProveit* plan, which aims to make our environment services better and more efficient. Living Landscapes is in a research phase, currently mapping out potential spaces in the west and southwest of the city, to change to a mixture of planting and not just short grass. The programme will encapsulate a whole range of natural environment projects on public and privately managed land, possibly including householders.

➤ **Lead Officer: Keith Logie, Services for Communities**

- **Tree Replacement Programme** – Over 370 trees have been planted across Edinburgh in the Council's biggest tree planting programme in the city's parks in recent years. Mixtures of native and non-native species have been planted in a range of locations across the city. These replace many of the trees damaged or felled during storms in 2012 and lost as a result of Dutch Elm disease. The new trees provide a welcome boost to the city's beautiful parks and green spaces, as well as improving the attractiveness of the local area. The trees planted during the course of this project will be added to the Forestry Services tree maintenance programme.

➤ **Lead Officer: Steven Webley, Services for Communities**

- **Lord Provost's Water of Leith Micro Hydro project** – The Council has incorporated £250,000 for this project into a Stage 1 Heritage Lottery Fund (HLF) application in order to make significant improvements to the Saughton Winter Garden, Rose Garden and wider park. This should enable the necessary further development work on the micro hydro proposal. Further detailed design and on-site investigation work is required to more fully and accurately determine the likely costs of this project, its energy production potential and to re-evaluate its business case in the context of its potential to power the cafe/community facility and Winter Garden proposed in the HLF funding bid. The HLF bid was submitted in February 2013 and a decision is expected by June 2013.

➤ **Lead Officer: Alan Bell, Services for Communities**

- **NESTA Project for Parks and Green Spaces** – The Council was one of five Scottish Councils that successfully applied to NESTA (the National Endowment for Science, Technology and the Arts) for funding through their Make It Local Scotland programme. The funding has been used to develop a new website and app to support exploration and enjoyment of the city's parks and green spaces by helping the Council to: promote parks and green spaces and encourage usage; promote conservation of the city's green heritage and biodiversity; track usage and biodiversity across the city; collate sightings of flora and fauna to gain a better overview of the city's eco-systems; support the city's businesses and economy by encouraging visitors; encourage local communities to become more involved in supporting the city's natural heritage and eco-systems; and engage schools in the Eco-schools programme. The site is live and can be seen at <http://www.edinburghoutdoors.org.uk>.

➤ **Lead Officer: Lindsay Grant, Services for Communities**

- **Edinburgh Natural Heritage Strategy** – Approved in June 2012, the strategy - complementary to the Built Heritage

Strategy - sets out the way in which protection and enhancement of Edinburgh's natural heritage can be achieved through the planning system, and provides clarity on the Council's commitment to the conservation of natural heritage.

➤ **Lead Officer: Frances Jarvie, Services for Communities**

- **Improving Air Quality** – In November 2012 the Transport and Environment Committee considered the Air Quality Progress Report 2012 which highlighted the outcomes of monitoring and assessment of local air quality in Edinburgh and actions and initiatives to achieve improvements. The Committee agreed that: the current Air Quality Management Areas (AQMAs) must be extended by Legal Order; the city-wide Air Quality Action Plan should be reviewed and updated; and that local Air Quality Action Plans should be developed to improve air quality in the AQMAs out-with the city centre. A further report will be prepared on the options around low emission zones (LEZ) in the city. In December 2012 the Planning Committee approved the extension of the current Interim Planning Guidance on biomass installations until the ongoing Detailed Assessment of PM₁₀ is completed and reported on; technical issues with monitoring instruments have caused a delay, but the city-wide assessments will be completed by Summer 2013.

➤ **Lead Officer: Andrew Mackie, Services for Communities**

- **I-Tree Project** – In partnership with Forestry Commission Scotland and its Research branch, the Council has embarked on a study which will attempt to calculate the benefits provided by Edinburgh's tree population. Using data gathered in 200 random sample plots, I-Tree estimates the amount of carbon stored by trees and woodlands, the amount of atmospheric pollutants scrubbed from the air, and the structural value of Edinburgh's trees. A correlated financial value is then calculated. The Council can compare this with the amount currently spent on planting and maintaining trees to determine the city's financial return. The research phase is complete and

the results and correlating values are calculated; officers will report their findings to Council in June 2013 as part of implementing the Tree Policy and Strategy.

- **Lead Officer: Keith Logie, Services for Communities**
- **Urban Pollinators Project** – The Council is working in partnership with universities, local authorities and wildlife trusts in four UK cities in a three year research project to find out which urban habitats have greatest value for insect pollinators, and how these compare with rural habitats. Annual and perennial wildflower meadows have been planted in a number of parks in Edinburgh and will be planted again in 2013, and the insects visiting these meadows will be surveyed in summer 2013.
- **Lead Officer: Lindsay Grant, Services for Communities**



4. For responsible consumption and lifestyle choices

Don't throw anything away. There is no 'away'.

Royal Dutch Shell advert (2007)

Action Plan Items

- **Sustainable Procurement Policy** – In January 2012, the Council published its new Sustainable Procurement Policy and revised Sustainable Timber Policy, detailing how the Council will buy goods in a way that brings about social and economic benefits whilst minimising environmental damage. At the same time the Council became the first Scottish local authority to make a WWF 'gold pledge' (currently achieving Silver status), ensuring that it will strive to only purchase timber and wood-derived products from sustainable and legal sources. The Council will set up a recording and monitoring system to ensure forest products procured meet the requirements of its new Sustainable Timber Policy. In March 2012, the Council approved a sustainable procurement action plan (SPAP) to support the implementation of the sustainable procurement policy and revised timber policy. Included in this work is the development of sustainability criteria, for the inclusion in Council construction contracts. It is anticipated that the implementation of the SPAP will achieve value for money by reducing unnecessary purchasing, lowering the whole life-cycle costs of goods and improving resource efficiency.
 - **Lead Officer: Nick Smith, Corporate Governance**
- **Conduct a carbon footprint of the Council's supply chain** – Initial research was conducted into what exactly this would entail and the cost implications. Setting targets for all services within the Council is important but there are a number of targets and projects which need to be carried out before this would have the impact required.
 - **Lead Officers: CCS Programme Team**
- **Edinburgh Energy Services Company (ESCo)** – Evaluation is under way to assess the setting up of a company offering a range of energy services across the city. Possibly looking to generating and supplying local energy at lower cost aimed at low income households. Scope for the company could also include services around energy efficiency and conservation with links to economic development, fuel poverty, Edinburgh Guarantee and skills training.
 - **Lead Officer: Janice Pauwels, Services for Communities**
- **Eco Schools** - The aim of the Eco-schools programme is to embed environmental awareness and action into the day to day life of pupils and staff in schools, while also engaging the wider community. There are now 271 registered eco-schools in the city (including partner provider and private nurseries and independent schools). 182 hold a Bronze Award, 169 have a Silver Award and 85 have achieved Green Flag status. This equates to 97% of local authority schools being registered with the programme, 92% including independent schools/private nurseries and 79% of participants that possess one award (Bronze/Silver/Green Flag).
 - **Lead Officer: Lindsay Grant, Services for Communities**

- **Carbon Clubs for Schools** – A project was developed to create Carbon Clubs for schools. The Carbon Busters programme should allow for any energy savings and the financial saving from them to be spent by the school, Difficulty securing sufficient funding to roll out the programme and other financial issues prevented this scheme from getting off the ground. Services for Communities are looking at other ways to achieve the aims of the programme, including through energy workshops, which Transition South Edinburgh have been delivering in a number of schools.
- **Lead Officer: Lindsay Grant, Services for Communities**
- **Grass to Energy Project** – The project looked to develop a business case to evaluate a green waste to energy system for the Council's Parks and Greenspace. The exercise would involve an analysis of green waste and the process of returning waste by-product as fertiliser to amenity and other areas. The financial cost was researched and there were not sufficient funds to take the project further but it will be reconsidered in the 2013/14 financial year.
- **Lead Officer: David Jamieson, Services for Communities**

Other Developments

- **Fair Trade Issues** – The Council continues to support the Edinburgh Fairtrade City initiative by providing the secretariat and supporting elected members on the group, hosting Edinburgh Fairtrade city web pages and providing communications for the initiative. Fair trade events have been held in Council offices to publicise products and a limited range of fair trade products are stocked in staff cafes and restaurants. In addition approximately 40 schools are working towards Fairtrade School status (9 schools have already been awarded

status). The Council's fair trade policy requires updating to reflect an increasing fair trade product range.

- **Lead Officer: Jenny Fausset, Corporate Governance**
- **Kerbside recycling** – The Council has a target of at least 50% of waste being recycled through kerbside and communal recycling facilities. This target forms part of the Waste Prevention Strategy which is aligned to the Government's Zero Waste Plan. Recent analysis by the CCS Programme Team, as part of the Scottish Climate Change Declaration report, indicates significant reductions in landfill and improvements in recycling rates. To further extend the current recycling strategy, a kerbside plastic bottles re-cycling scheme was launched in 2011 and a new contract for garden waste collection and composting was awarded. The Council has recently agreed to support option one of the Recycling Resign Report, which will make kerbside recycling fully compliant with Waste (Scotland) Regulations 2012 (WSR), which require Councils to offer a kerbside collection of key dry recyclables no later than 1st January 2014. Currently, we do not collect mixed plastics.
- **Lead Officer: Pippa Milne, Services for Communities**
- **Energy Efficiency** – The Council will soon launch its “**Energy Awareness Campaign**” which will engage with employees from all sectors across the Council. Understanding that all employees play an important role within Council properties, and utilise a range of equipment which can potentially use a lot of energy, the Energy and Water management team hope to provide training, publications and other tools to help everyone contribute towards energy efficiency within their own building.
- **Lead Officer: Cori Burnett, Corporate Governance**
- **Collective Energy Buying** – Scots Together is a collective energy switching initiative that aims to get a better deal on energy prices for people living in Scotland by buying energy together. Through a partnership with Changeworks and UK

Together, a collective of the local authorities in South East Scotland (including the City of Edinburgh Council) has successfully bid for funding from the Department of Energy and Climate Change (DECC) to facilitate a collective switching project. Collective switching involves getting people together to review their electricity and gas tariffs, making sure they are on the best deal that they can get. The switching period will run from 18 February 2013 to 17 March 2013. During this period householders can check their switching options and decide whether they want to take up any of the suggested tariffs. A tariff can only be held for four weeks, so householders need to switch by 17 March 2013 if they want to take up the current offer. The more people that join, the better the deal for everyone whenever they join during the switching window.

➤ **Lead Officer: Changeworks coordinating partnership**

- **Zero Waste: Edinburgh and Midlothian** – This is a major waste infrastructure project with Midlothian Council. Procurement processes have been established to secure long-term, state-of-the-art facilities for treating both food and residual (mixed black bag) waste collected in Edinburgh and Midlothian. Procurement of the food waste facility has now concluded (February 2013) after a 20-year contract was signed with Alana Renewable Energy (ARE) to build and operate the facility on behalf of the two councils at a site near Millerhill in Midlothian. The site was unanimously granted Planning Permission in Principle (PPiP) by Midlothian Council in December 2011 for a range of waste treatment facilities. The food waste facility provides the City of Edinburgh Council with a local, long-term solution for recycling food waste at a competitive price. It will also help to continue to increase recycling levels, reduce the amount of waste buried at landfill sites, meet greenhouse gas targets and continue to attract new investment to Edinburgh. For more information, visit www.zerowastefuture.com

➤ **Lead Officer: Pippa Milne, Services for Communities**

- **Pilot a construction recycling initiative across the city** – Base line data is being collated of the amount of construction waste entering landfill from Council contracts. Once this is in place the Council will consider joining the “Halving Waste to Landfill” scheme backed by Zero Waste Scotland and set targets of reduction through the procurement system.
- **Lead Officer: Alexis Woolley, Corporate Governance**
- **Assess suitable lighting options across the city** – In June 2012, the Planning Committee approved the finalised Lighting Strategy for Edinburgh following consultation. One of the strategy’s objectives is to reduce energy use, cost and minimize light pollution. This will be achieved through: providing more detail to customers on the Council’s maintenance and improvement programme for lighting; continuing to address energy reduction measures through the city wide programme of maintenance and replacements and address light spillage and pollution through the design of light fittings.
- **Lead Officer: Karen Stevenson, Services for Communities**
- **Spend to Save for Street Lighting** – A report requesting approval for the prudential borrowing to fund the ‘Spend to Save’ scheme for street lighting lamps was approved by Full Council on 13 December 2012. An outline business case has been submitted. The project aims to reduce the overall energy and carbon footprint of 3,000 street lighting lanterns which are primarily within the city centre area and main arterial routes. Replacing existing energy lamps with more energy efficient ones is estimated to cost £1.225m and achieve total energy savings equal to £0.213m per annum (at current prices and which are likely to increase each year by 8%)
- **Lead Officer: John MacFarlane, Services for Communities**
- **Making Energy Sustainable** – A number of initiatives are underway, as part of the **iPFM programme**, to reduce energy and water usage: installation of water saving devices in school

urinals and other properties, which is expected to make savings in the region of £60k - £80k per year; launch of survey of our building management systems which monitor and control energy services in around 200 of our largest properties. This will allow the Council to assess how energy efficient we are and help to make plans to tackle any inefficiencies; smart meters have been installed across many of our properties to manage consumption better and an energy awareness campaign is being developed to help inform employees about how we are consuming energy and how we can all reduce our consumption and lower costs..

➤ **Lead Officer: Murdo MacLeod, Services for Communities**



5. For planning and design for sustainability

Town planning is not mere place planning, nor even work planning. If it is to be successful it must be folk planning.

Sir Patrick Geddes

Action Plan Items

- **Develop a scheme across the city to maximise the advantages and potential of the Green Deal** – A business case is nearing completion for increasing energy efficiency retrofit using ECO, Green Deal and other finance. This has been developed in partnership with the Scottish Cities Alliance and assesses the potential for setting up a framework or partnership approach to draw in ECO for retrofit projects, and work alongside private sector partners to maximise Green Deal uptake. This programme will fit with Scottish Government funding available through Home Energy Scotland: Area Based Schemes. A report will be provided to Health, Wellbeing and Housing Committee initially, followed by other relevant committees.

The Solar PV project was paused, due to uncertainties in the solar PV market, and in UK Government policy towards renewables and the Feed-in Tariff making it difficult to accurately assess the costs and benefits of a large scale project. The project has assessed the potential benefits to council tenants against the risks of installing PV panels to council homes, and concluded that council-owned sheltered housing is most suitable for this type of measure at this time. There are signs that the solar PV industry is stabilising and that costs for solar panels have decreased, making it feasible to re-start this project.

- **Lead Officer: Katie Ward, Services for Communities (Green Deal)**
- **Lead Officer: Mike Wagner, Services for Communities (Solar PV)**

- **Develop detailed supplementary planning guidance on energy efficiency and renewable energy technologies** – Planning have integrated guidance on energy efficiency and renewable technologies into two documents. Edinburgh Standards for Sustainable Building S1 Form and Guidance is currently used but will be replaced by the consolidated Edinburgh Design Guidance if approved at Council later this year. For householders there is Guidance for Householders 2012 which includes solar panels.
- **Lead Officer: Kate Hopper, Services for Communities**

Other Developments

- **Local Development Plan** – Edinburgh's new Local Development Plan (LDP) will contain policies and proposals to guide development and land use across Edinburgh. The LDP will replace the two local plans - Rural West Edinburgh Local Plan (RWELP) and the Edinburgh City Local Plan (ECLP). Publication and consultation on the Main Issues Report (MIR) took place late 2011-early 2012. The Climate Change (Scotland) Act 2009 and the Planning etc. (Scotland) Act 2006 place a duty on the Council to act in the best way to reduce emissions, adapt to climate change and prepare development plans to further sustainable development. The Council's commitment to fulfilling these duties is evident throughout the LDP, with policies addressing both the reduction of greenhouse emissions and the ability to adapt to a changing climate. The five main aims of the policy are to support the growth of the city economy, help increase the number and improve the quality of new homes, support sustainable transport and access to jobs

and services, look after and improve our environment and create sustainable communities.

➤ **Lead Officer: Ben Wilson, Services for Communities**

- **Edinburgh Design Guidance** – In October, the Planning Committee approved the Council's Draft Edinburgh Design Guidance for consultation. The draft guidance will be one of six new pieces of consolidated non-statutory guidance, amalgamating 13 existing planning guidelines relevant to design, including the Edinburgh Standards for Sustainable Building, Landscape and Development, Housing Development in Garden Grounds, Biodiversity and Trees and Development. The aim of the new guidance is to explain the development plan policies which have had a major design impact and to set out the Council's expectations for the design of new development in the city. The guidance will be finalised when the feedback from the consultation has been assessed and will be considered by the Planning Committee in 2013.

➤ **Lead Officer: David Givan, Services for Communities**

- **BREEAM Rating** – The Council aims to achieve a minimum sustainability performance of BREEAM 'Very Good' rating, and aspire to BREEAM 'Excellent' rating, when procuring new buildings and refurbishing old buildings (Sustainable Procurement Policy). The Council has received an EcoHomes Excellent accreditation from BREEAM for Phase 1 of the 21st

Homes for Edinburgh development at Gracemount, comprising affordable housing. The development provides 99 new homes – a mix of flats, colony style units and terraced houses for council and mid market rent and share equity. The sites are assessed across a number of diverse BRE Eco-Homes categories including energy, transport, health and well being and management. The East Neighbourhood Office and Craigmillar Library, Tynecastle High School and Wester Hailes Healthy Living Centre also received a BREEAM Excellent rating.

➤ **Lead Officer: Project Specific – Project Manger in Service Area**

- **Basil Spence Building** – Edinburgh World Heritage is working in partnership with Historic Scotland, the City of Edinburgh Council and Brown's Close Area Association on a boarder project looking at how to address conservation repair works and energy efficiency measures in listed post-war buildings. The aim is to produce an innovative case study using Basil Spence Building for addressing conservation issues and energy efficiency in post-war listed buildings, and the results will produce wider benefits for all communities living in buildings of this type.

➤ **Lead Officer: Ian Buchanan, Services for Communities**

6. For sustainable transport

Sustainable travel begins at home.

Justin Francis, Responsible Travel

Action Plan Items

- **Contribute to Sustainable Travel initiatives across the city in partnership with the business sector - Sustainable Travel Plan** – The Council agreed a Sustainable Staff Travel Plan for the period 2009 – 2012. The Corporate Policy and Strategy Team will publish a full progress report against 8 key targets in June 2013. Progress against the key targets by 2012 are as follows; reduce annual total of car mileage claims by 5% each year, reduce annual domestic flight mileage by at least 20%, reduce total fleet mileage by 10%, increase the full economy of council fleet by 10%, increase the number of staff car sharing to work by at least 30%, increase the number of staff taking public transport to work by 5%, increase the number of staff either walking or cycling to work by 10% and increase recognition of key staff travel initiatives from 50% to 80% by end of the plan period.
- **Lead Officer: Gary Turner, Corporate Governance.**
- **Active Travel Action Plan** – The Active Travel Action Plan (ATAP) sets out a range of actions aimed at achieving 15% of journey to work trips by bike by 2020 (double the level in 2010), increasing the share of all trips made by bike to 10% by the same date. This year the Council decided to raise the share of the total Transport budget devoted to cycling from 5% to 6%. This represents a very significant increase in funding, particularly in the revenue budget. Good progress is being made with the ATAP. Last year the ‘Family Network’ route from Leith to Portobello was significantly upgraded, transforming opportunities for travel by bike in this part of the city. The

Family Network aims to capitalise on the extensive off road path network that already exists in Edinburgh to create a joined up system of paths and quiet roads linking to useful destinations and suitable for younger and less experienced cyclists. On road bike facilities between the King's Buildings and George IV Bridge were also improved as part of the ‘Cycle Friendly City’ initiative, and counts suggest use of this route has immediately increased. During 2013/14 more route improvements are scheduled and marketing is due to be stepped up.

- **Lead Officer: Phil Noble, Services for Communities**
- **Cycling in Edinburgh** - The Sustainable Edinburgh 2020 budget has contributed £210,000 to deliver cycling related promotion, a safety campaign, support studies looking into the development of cycle schemes and contributed to small maintenance schemes on the off-road cycle network. As part of the promotion of cycling in Edinburgh, the Council hosted Sky Ride Edinburgh on the 8th of September 2012; this was a traffic-free bike around the city lasting from 9:30am until 3:30pm covering a 10km route. Citizens were able to join and leave the route at any time during the day. As part of this project a series of free local bike rides took place throughout the Autumn of 2012, which, provided routes through parks and tracks and trails with British Cycling trained ride leaders on hand to offer encouragement and support.
- **Lead Officer: Chris Brace, Services for Communities**
- **Ecostars Edinburgh** – Ecostars Edinburgh is a voluntary freight recognition scheme to promote efficient and clean road freight vehicles. The scheme’s main objectives are to improve

fuel efficiency and reduce emissions; reduce the energy used by commercial and passenger transport; save operators money and provide tailor-made support to road freight operators. A consortium of twelve partners, led by Transport and Travel Research Limited (TTR), successfully obtained support from the Intelligent Energy Europe fund. Ecostars Europe was launched in Edinburgh on 1 June 2011 and the official launch of Ecostars Edinburgh was on 26 January 2012. One of Ecostars Edinburgh's inaugural members is the Council's own fleet (which has the largest number of vehicles of all the members recruited so far). Ecostars rates individual vehicles and the overall operation of a vehicle fleet using a star rating system, to recognise levels of operational and environmental performance. The Council has attained a creditable three star rating and is working to improve on this. One of the benefits members obtain from the scheme is a bespoke roadmap of advice. This excellent resource highlights the good practice already being employed in the operation of the Council's own fleet along with those areas where action is recommended for maximising efficiency, savings and emissions reduction.

➤ **Lead Officer: Ann Connolly, Services for Communities**

- **Electric car charging infrastructure** – The Edinburgh Partnership as a community planning partnership in one of Scotland's seven cities and significant conurbations was awarded finance for a 'large city' of £120K to maximise the use of electric vehicles and carbon reduction in Scotland. In 2012/13 £220K Plugged in Places funding has been allocated to the Edinburgh Partnership from Transport Scotland, for the supply and installation of electric vehicle charging points. The purpose of the PiP funding is to establish a country-wide charging infrastructure network throughout Scotland. Transport Scotland has advised that charging points should primarily be: located on public sector owned land, available for public use and located on the primary road network. The aim is to install

electric vehicle charging points at 25 appropriate partner sites across Edinburgh.

The Council has allocated a further £35,000 through the Sustainable Edinburgh 2020 budget to fund a charging unit in the Quadrangle and Kerbside outside Waverley Court. Fleet services are also working on funding the purchase of more electric cars.

➤ **Lead Officer: Nicola Elliott, Corporate Governance (Plugged In Place Programme)**

➤ **Lead Officer: Andrew Campbell, Services for Communities**

Other Developments

- **New Local Transport Strategy** – The Local Transport Strategy describes many targets relating to CCS Programme Team work, specifically the commitments for reducing greenhouse gas and noxious emissions from transport, improved public transport, improved cycling and walking provisions (pledge commitment exists to spend at least 5% of the transport budget on cycling). The strategy is out for public consultation and will include measures to embed a sustainable approach to transport (such as extending 20mph zones) along with the new staff travel plan. The Edinburgh Trams will add a low carbon and sustainable form of transport to the city's transport network.

➤ **Lead Officer: Ewan Kennedy, Services for Communities**

- **Secure Bike Sheds for Tenement Flats** – A £50,000 pilot scheme will see six new bicycle storage facilities introduced to streets in Edinburgh dominated by tenement flats, where residents often struggle to find safe places to keep their bikes. It is part of a range of Council measures to increase the number of people that cycle. After consultation, it is hoped the bike storage facilities will be installed by early 2013. If the pilot proves successful, it could be rolled out across the city. Covered cycle racks have already been built at the Bus Station,

Newcraighall and Edinburgh Park and areas for bike parking are normally now included in new housing developments.

➤ **Lead Officer: Chris Brace, Services for Communities**

- **CHAMP** - 7.3% of adults in Edinburgh cycle to work – the highest in Scotland. The Council is working to increase this and is one of six European cities taking part in the Cycling Heroes Advancing sustainable Mobility Practice (CHAMP) project. Funding from Europe of £70,000 has been awarded and will help the Council to fund the promotion of cycling through the development of marketing publications; the delivery of workplace initiatives such as travel planning and mobile bike mechanics; and the promotion of the use of the new Quality Bike Corridor from George IV Bridge to King's Buildings.

➤ **Lead Officer: Chris Brace, Services for Communities**

- **Brake the Cycle** – The Council has launched a new scheme to encourage cycling, and the recycling of old bikes. Old, unwanted or broken bikes will be repaired and given to people who really need them. Single partners, disabled people, those in receipt of benefits, the elderly, community organisations and groups, schools, play schemes, youth groups, young people's residential units, people with additional support needs, and those with an allocated social worker or support worker, are being offered the opportunity to apply for a free bike under the scheme.

➤ **Lead Officer: Jimmy Hewitt, Services for Communities**

- **I-Bike** – This award winning project encourages more children to get into cycling. The focus is on Primary 6 and 7 pupils through the transition to high school and S1 and S2. A dedicated officer works intensively with the school to promote cycling activities and each term special events are held. At one school the numbers of children cycling rose from 0.5% to 10%. There is also a capital investment in improving cycling facilities at schools.

➤ **Lead Officer: Lorna Henderson, Services for Communities**

- **STARS** – The Council's Road Safety Team will be taking part in an Intelligent Energy Europe funded project to encourage more children to cycle to school. Edinburgh is part of an EU wide group and will be working with twelve other cities to promote active travel and cycling in particular in Edinburgh schools. STARS will target the school run because these journeys account for a large proportion of regular travel by households, leading to congestion and increased carbon emissions. The distance of the journey to school is almost always under 5km making cycling a definite option, targeting children and young people is the key to long term culture change. STARS wants to achieve a 5% modal shift from the car to cycling.

➤ **Lead Officer: Caroline Burwell, Services for Communities**

- **Park-Smart** – The Park-smart project is focused at parents, aiming to decrease the number of children being driven to school by thinking about where parents park. The project addresses behaviour whilst actively promoting walking to school or park and stride as the easier, safer and most stress free option. The Park-smart campaign is being rolled out to schools who wish to tackle the problem. The project takes place over four weeks and the children also contact the local police and traffic wardens to ask for their help.

➤ **Lead Officer: Caroline Burwell, Services for Communities**

- **Electric Vehicle Procurement Support Scheme** – The Edinburgh Partnership received £207,000 as part of the Scottish Government's Electric Vehicle Procurement Support Scheme, to fund the price difference between traditionally-powered vehicles and their electric equivalents. The Council received six new electric cars, Lothian and Borders police received two, and two were leased by NHS Lothian. The new electric vehicles were on the road by the spring 2013. Three charging points were installed at Council offices, whilst Edinburgh Napier

University added another three. Analysis of the Council's current electric vehicles revealed that on average one Nissan Leaf, doing 6000 miles a year would reduce CO2 emissions by five tonnes. Six similar electric cars were estimated to reduce CO2 emissions by 30 tonnes and save 1270 gallons of petrol at a cost of £5,000. If the electricity was generated from renewable sources, the cars would generate no emissions and can be charged overnight at off-peak rates.

➤ **Lead Officer: Nicola Elliott, Corporate Governance**

- **Greening the fleet** – Lothian Buses aspire to be one of UK's greenest bus fleets, currently running 15 diesel hybrid double deck buses and have recently invested in 10 new hybrid single deck buses featuring engine off at idle devices. A further 10 hybrid buses are set to be introduced to the fleet in early 2013.

➤ **Lead Officer: Ewan Horne, Services for Communities**

- **Bustracker** - Real Time Passenger Information is available for all stops served by Lothian Buses and expanding to incorporate other operators through a project being delivered by SEStran. 400 signs are deployed throughout the city's network of 2500 bus stops and 400,000 information requests are received by the 'mybustracker.co.uk' web server daily. This greatly enhances public transport as a transport mode, giving passengers reliable information by which to decide their journeys. Allowing effective and efficient travel choices to be made either before starting the journey or while on the move. Options to integrate journey time and parking data for travel from edge of city to the city centre currently being investigated. Potential to provide real time travel information for those travelling into the city by private car and could be used to enhance park and ride use.

➤ **Lead Officer: Stuart Lowrie, Services for Communities**



7. For local action for health

The best six doctors anywhere and no one can deny it,

Are sunshine, water, rest, and air, exercise and diet.

Old Nursery Rhyme

Other Developments

- **New direction for Health and Social Care** -The Scottish Government has outlined its proposals for a new direction for health and social care services. A joint response from the Council and NHS Lothian was approved by the Council on 4 September 2013 and was considered by the NHS Lothian Board on 26 September 2013. The proposals aim to bring Council and NHS services closer together, putting people's needs at the top of the agenda. The three main areas for improvement are; a more integrated services across NHS Lothian and the Council, which are planned and delivered seamlessly and consistently around people's needs; flexible, sustainable budgets, which can move around and between partners to maximise their impact; and services better geared towards helping people live at home safely and get back there as soon as possible when they have been in hospital. The Scottish Government responded to the feedback to the consultation in February 2013 and has indicated its intention to legislate for change. The joint work begun between the Council and NHS Lothian is fully inline with these intentions.
- **Lead Officer: Peter Gabbitas, Director, Health and Social Care**
- **Partnership Working/ Health Inequalities** – The recent Single Outcome Agreement Progress Report agreed at the Edinburgh Partnership Executive on 19 February 2013 identified that persistent health inequalities exist in areas of higher socio economic deprivation. Average female life expectancy in the 15% 'most deprived' areas of the city was 77.3 years, whereas in the remainder of the city it stood at 82.1 years. Average male life expectancy in the 15% 'most deprived' areas of the city was 68.9 years, whereas in the remainder of the city, it stood at 78 years. The CPST is already in discussion with the Integrated Health and Social Care Board about the need for concerted action to address these matters, improve links to the Edinburgh Partnership Board and new City Community Plan.
- **Lead Officer: Nick Croft, Corporate Governance**

8. For achieving a vibrant and sustainable local economy

Business as usual is dead. Green growth is the answer to both our climate and economic problems.

Danish Prime Minister Anders Fogh Rasmussen (March 2009)

Action Plan Items

- **Raising Awareness, continue with Festivals Edinburgh** – Festivals Edinburgh approached the Council to build a relationship which supports them in the best ways forward in promoting a sustainable future through reducing carbon emissions; managing the ways we affect the environment, and contributing to the global environmental discussion. They have identified, that they have the strength in terms of reputation and impact to create a powerful platform to focus Scottish and international attention on ways of achieving this sustainable future. They have identified an environment working group and so far have produced a toolkit called Green Venues Guide, working with Creative Carbon Scotland. The Council will look to use this in its venues.
- **Lead Officer: Alexis Woolley, Corporate Governance**

Other Developments

- **Green Investment Projects** – The Chief Executive has recently established a new Green Investment Projects Group (GIPG). Staff in Services for Communities and Economic Development are supporting the work of this group and developing a list of pipeline projects and identifying potential investment sources.
- **Lead Officer: Janice Pauwels, Services for Communities**
- **Economic Strategy** – The new Economic Strategy 'A Strategy for Jobs' places sustainable growth from investment in jobs at the heart of programme activity by investing in the city's

development and regeneration, supporting inward investment, supporting business and helping unemployed people into work.

- **Lead Officer: Ken Shaw, Economic Development**
- **Edinburgh Guarantee** – Working with the public, private and voluntary sectors the Council seeks to increase the number of jobs, education or training opportunities being made available to young people, in tandem with work to improve the level of support available to help them move into a positive destination. The Edinburgh Guarantee in partnership with O2 has launched a mobile phone recycling scheme, profits from which will directly benefit the Edinburgh Guarantee. Collection tubes have been placed in Waverley Court, City Chambers, Chesser House, Edinburgh College and in some public library across the city. The collection is aimed at privately-owned phones.
- **Lead Officer: Pam Peters, Economic Development**
- **Cooperative Organisations** – The Cooperative Development Unit within the Corporate Policy and Strategy Team, in partnership with service areas and external partners, has made good progress with regard to development of services delivered by housing, energy, child care and social care cooperatives. In addition, the Unit continues to progress approaches to joining up corporate social responsibility work across the city, and instilling community benefit clauses in key contracts.
- **Lead Officer: Nick Croft, Corporate Governance**

- **Edinburgh Community Energy Co-operative Ltd** – The Council has been supporting the growth of the Edinburgh Community Energy Co-operative Ltd which was formed at the end of 2007 with the support of Co-operative Development Scotland. In December 2012 the Council hosted a Co-operative seminar which brought together a range of individuals and organisations with an interest in energy efficiency and renewable energy. The seminar aimed to: identify and discuss opportunities for Edinburgh-based energy initiatives, consider how Edinburgh as a Cooperative Capital can help foster and realise these ambitions; and identify next steps in making community and co-operative energy initiatives a thriving reality in Edinburgh.
 - **Lead Officer: James Garry, Corporate Governance**
- **The Edinburgh Centre for Carbon Innovation (ECCI)** – The Council hopes to contribute £20,000 to ECCI to fit out and tailor 108m² of business support room space across 2 rooms for business creation and development support. The anticipated outcomes for 2013/2014 include; business incubation of between 10-20 supported businesses, formation of 3 new business starts, development and launch of 10 new products and services, creation of 3 new jobs, initiation of 10 academic – business partnerships and securement of £2Mn in investment into supported businesses.
 - **Lead Officer: Jim Galloway, Economic Development**



9. For securing inclusive and supportive communities

Environmental problems are really social problems anyway. They begin with people as the cause and end with people as the victims.

Action Plan Items

- **Strengthening Neighbourhood Partnerships** – The Communities and Neighbourhood Committee has agreed a review scope to strengthen Neighbourhood Partnerships in the City. Discussions are underway between the Corporate Policy and Strategy Team and Local Community Planning Team to assist in this review and strengthen practice with specific regard to participatory budgeting, community engagement methods and Total Place approaches. Options for strengthening will be agreed in May 2013.
 - **Leader Officer: Natalie Hoy, Services for Communities**
- **Equalities and Human Rights** – The Corporate Policy and Strategy Team (CPST) is working with COSLA and the Equality and Human Rights Commission (Scotland) and a number of third sector partners to develop a range of national good community relations indicators and a best practice project toolkit. The CPST, in partnership with the Local Community Planning Team, is delivering a number of local events to bring diverse communities together to improve understanding and respect. To date around 2000 citizens have participated in such initiatives. Further work is required to capture similar work across the Council and the City.
 - **Leader Officer: Nick Croft, Corporate Governance**
- **Framework to Advance Equalities and Rights** - In June 2012, the Council approved the new equality scheme, which explains how the Council intends to meet its legal duties under the Equality Act 2010 and the Public Sector Equality Duty over the next five years. Known as the Framework to Advance Equality and Rights 2012-2017, the plan also describes the new approach for equality and rights impact assessments and how it can include a rights-based approach into the Council's work. The framework identifies five areas of work: equality and rights in Council employment, new arrangements for Equality and Rights Impact Assessment (ERIA) for Council policies, services, functions and financial decisions, improving the evidence base to help support impact assessment, outcomes linked to the Council's priorities in the Strategic Plan 2012/17 and the Edinburgh Partnership Single Outcome Agreement, measures to further strengthen the Council's approach to equality and rights in procurement, improving Council decision making and action across all areas of management, policy making and service delivery.
 - **Leader Officer: Nick Croft, Corporate Governance**
- **Community Grants Fund** – The fund aims to encourage small scale activity that benefits local communities and support the work of the Neighbourhood Partnership and the Local Community Plan. Key indicators of the overall success of the investment include: neighbourhood as a desirable place to live, different backgrounds get on well together, able to have a say on local services and satisfaction with specific services.
 - **Lead Officer: Anna Herriman, Services for Communities**
- **Total Craigroyston** – A local Total Craigroyston Management Group has been established and a Road Map completed which will take forward action at local level. They intend to test out a

more joined up approach to supporting local families facing complex challenges by selecting a small number with whom to work differently. Several small projects have been implemented so far including improving the transition arrangements for P7 children going into S1, involving voluntary sector partners and creating opportunities for street play within the community.

➤ **Lead Officer: Christine Mackay, Corporate Governance**

- **Total Neighbourhood** - The objective of Total Neighbourhood is to develop a fully integrated approach that delivers better outcomes for individuals and communities and with a focus on moving to prevention. Building on initial development work involving front line workers, lessons learned from case studies and a high level spend count, two small test areas in Niddrie House and Lochend have been identified to trial new approaches to service delivery and engagement.

➤ **Lead Officer: Adam Kassyk, Corporate Governance**

- **Building Social Value** – Community planning partners considered the linked concepts of Social Value and Community Benefit, and how these relate to the Edinburgh Partnership's joint work, at a Building Social Value event on 14 November. Hosted by the Compact Partnership, this informative and engaging session gave delegates the opportunity to explore the meaning of Social Value and take part in a practical exercise to build it by applying Community Benefit Clauses to contract.

➤ **Lead Officer: Graeme McKechnie, Corporate Governance**

- **Connected City** – The Council has been awarded £10.7m of capital funding from the UK Government to assist in enhancing Broadband and Wireless coverage across the city. The Programme will work with BDUK to target investment in the next 3 years across the whole City of Edinburgh Council area. The programme includes 4 projects: Broadband Infrastructure;

Wireless; Consumer Demand Stimulation and Digital Participation and Business Demand Stimulation. The consumer and business projects will work on stimulating demand for high speed broadband to get best value out of the infrastructure available across the city.

➤ **Lead Officer: Simone Hislop, Corporate Governance**



10. For local to global

Forget about making poverty history. Climate change will make poverty permanent.

Nazmul Chowdhury, Practical Action, Bangladesh (2009)

Action Plan Items

- **Update the Council's Climate Change Framework** – A new framework to identify priority climate change adaptation action for the Council has been prepared in conjunction with Adaptation Scotland. City-wide mitigation actions will be considered as part of a new Sustainable Energy Action Plan and actions to mitigate corporate emissions will be included in a revised Carbon Management Plan.
 - **Lead Officers: James Garry and Fiona MacLeod, Corporate Governance**
- **Publish the Council's Second Carbon Management Plan** – A revised draft Carbon Management Plan 2013-18 (CMP) for the City of Edinburgh Council (CEC) is in preparation. The draft Carbon Management Plan is split into three sections:
 - Background and Context:** This section will set out the aims and objectives of the CMP, the drivers behind the CMP, the Council's governance structure in relation to carbon management, the original baseline carbon footprint and reduction targets.
 - Progress Review:** This section will make provision for an annual review of actual progress towards target carbon emissions.
 - Implementation Plan:** This section will provide a list of planned carbon reduction projects, with details of project ownership, estimated reductions and progress.
 - **Lead Officer: James Garry, Corporate Governance**
- **Sustainable Energy Action Plan** – The Council has pledged to “meet greenhouse gas targets, including the national target of 42% by 2020”. Meeting this pledge will amount to radically

transforming energy use in the city's buildings and transport. The CCS Programme Team is developing a Sustainable Energy Action Plan (SEAP) which will detail how this challenging goal could be achieved whilst exploiting the economic, social and environmental opportunities which will arise from the significant investment required. The SEAP will also meet the Council's commitments under the Covenant of Mayors. The SEAP should: make Edinburgh's future energy supply more secure; help protect households, businesses and public services from excessive energy bills (including tackling fuel poverty); create new low carbon businesses and jobs; and enable Edinburgh's citizens and communities to have a greater say in energy generation and energy use. Consultation on the draft Sustainable Energy Action Plan will take place in 2013.

- **Lead Officer: Janice Pauwels, Services for Communities**
- **Lead Officer: James Garry, Corporate Governance**
- **Ensure that Climate Change is incorporated into the City's contingency planning arrangements** – This will be progressed through the Climate Change Adaptation Framework.

Other Developments

- **Scottish Climate Change Declaration** – In January 2007 the Council signed Scotland's Climate Change Declaration. The Declaration commits the Council to reduce its greenhouse gas emissions and adapt to the predicted impacts of climate change. An annual report on the monitoring and progress of the Council's activities is produced each year, detailing targets set, actions taken, outcomes achieved and further action required. By signing

the Declaration the Council acknowledges the reality and importance of climate change, commits to mitigation by reducing emissions and to work with communities to adapt to the impacts of climate change.

- **Lead Officers: James Garry and Fiona MacLeod, Corporate Governance**
- **Climate Change Mapping Exercise** – Highlights some of the good work that has already been done or is being done in the city to reduce carbon emissions, increase energy efficiency and the use of renewables, improve our housing, make our festivals more sustainable, preserve and enhance our green spaces, promote sustainable local food, raise awareness among our children, encourage more sustainable ways of travel, reduce and recycle our waste and encourage all sectors of society to become actively involved in making our city more sustainable.
- **Lead Officer: Fiona MacLeod, Corporate Governance**
- **Carbon Trust Standard** – The Council was notified in July 2012 that it has achieved the Carbon Trust Standard. The Standard is widely considered to be the world's leading certifier of organizational carbon footprint reduction and certifies both private and public organisations. To achieve the Carbon Trust Standard the Council had to meet three criteria: provide an accurate footprint measurement including all required carbon sources, demonstrate an absolute reduction in carbon and demonstrate good carbon management to a defined standard, including carbon governance, accounting, reduction methods and targets. CCS Programme Team with colleagues in the Corporate Transport Unit, Road Services and Energy and Water Management played a key role in providing evidence as the submission looked at carbon use from fleet and road services, and Council property. The Standard is awarded in acknowledgement of an organisation's commitment to reducing carbon emissions. In 2011 the Council achieved a 4.3% reduction in its carbon emissions. We are now eligible to use the

Carbon Trust Standard logo and the award will remain in place until December 2013.

- **Lead Officer: Jenny Fausset, Corporate Governance**
- **Carbon Reduction Commitment (CRC)** – The Carbon Reduction Energy Efficiency Scheme (CRC) came into force on 1 April 2010. It is a mandatory scheme aimed at improving energy efficiency and cutting emissions in large public and private organisations. (Organisations that consumed more than 6,000 megawatt-hours (MWh) per year of half hourly metered electricity during 2008 qualified for full participation in the scheme). The City of Edinburgh Council qualifies for the scheme. CRC requires the Council to purchase carbon allowances to cover its carbon emissions. The Council prepared its Footprint report at the start of Phase 1 (2010 - 2014) and has submitted Annual Reports to the Environment Agency each year since the scheme started. In 2011 the Council purchased 54,810 allowances at £12/allowance, total cost £657,720 and in 2012, 52,272 allowances, total cost £627,268. A league table is published annually showing the relative performance of all organisations taking part in the scheme nationally. In the recently published league table February 2013, the City of Edinburgh Council has improved its league table position by over 700 places, from its position in 2012. Initiatives to reduce carbon emissions will lower the amount of carbon tax the council has to pay each year.
- **Lead Officer: Jenny Fausset, Corporate Governance**
- **CASCADE** – Eurocities-led Intelligent Energy Europe funded project which aims to design and deliver large-scale networking and mutual learning actions on local energy leadership. The project should help the Council reduce its energy use by at least 20% through the development of a Strategic Energy Action Plan (SEAP). During the first year, six peer learning events were organised. In each visit, CASCADE experts examined different aspects of policy implementation such as partnership work,

policy integration, leadership or financing linked to specific areas of work. In September 2012 the 22 CASCADE partners met in Malmo to take stock of the results achieved in the first year of the project and prepare the programme of networking and mutual learning activities for the remaining two years. Two members of the CCS Programme Team attended this event. The second year of the project will focus on a series of European networking activities delivered through study tours, mentoring visits and work shadowing. In addition to the current CASCADE partners, 20 new cities have been invited to participate in some of these activities

➤ **Lead Officer: James Garry, Corporate Governance**

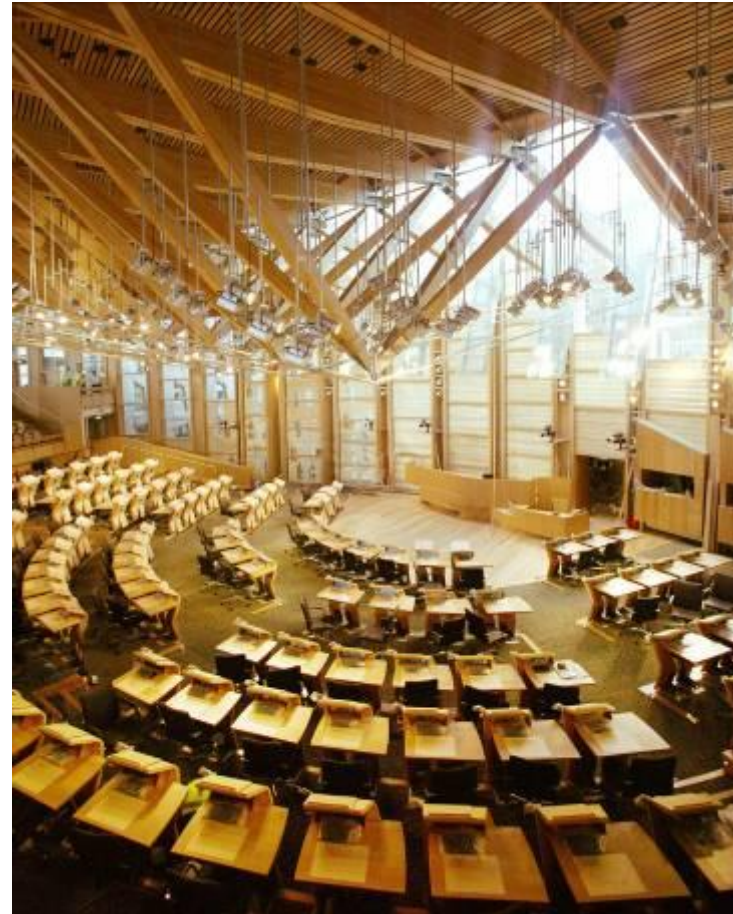
- **Heat Map** – The Council is working with the Scottish Government to produce a Heat Map of the city utilising GIS, which will potentially guide investment in housing, industry, business, green development technologies and others in future years. This is expected to be produced during summer 2013. Further work will be required with community planning partners to identify specific heat consumption patterns, especially from buildings in public ownership.

➤ **Lead Officer: Janice Pauwels, Services for Communities**

- **Water of Leith Flood Prevention Scheme** – Severe flooding in April 2000 highlighted the need for investment in flood prevention infrastructure across the city. This resulted in plans for the Braid Burn and Water of Leith Flood Prevention Schemes being developed. The estimated cost of both these schemes is £144.4m, with £102.4m funding having been secured. The Water of Leith Flood Prevention Scheme is a key project to help protect areas of the city from flooding. The project runs from Bonnington through Murrayfield and on to Longstone and the Murray Burn. £14.5m has been spent on preparatory and advanced works. Due to uncertainty over funding in 2009, it was decided that the works be carried out in three separate phases. Phase 1 (Bonnington to Stockbridge) is currently under construction and

is due for completion by March 2013. The estimated costs of completing Phase 1 are £21.0m.

➤ **Lead Officer: Alvin Barber, Services for Communities**



Recommendations

1. For Promoting Good Governance

- To identify relevant Heads of Service across property, transport, planning, open space management, school, economy and community engagement functions to participate in the new member / officer group.
- To support a separate report to Committee with recommendations for an appropriate political champion.

2. For promoting good management

- To identify relevant staff to pilot the Jacobs eTool, improve engagement in the CECiL courses and ensure compliance with report writing guidance.
- To support the development and embedding of the Sustainable Procurement Policy.

3. For protecting and conserving the environment

- To support the development and embedding of the Energy Policy across service areas and to appoint a champion to drive energy efficiency within the Council.

4. For responsible consumption and lifestyle choices

- To ensure procurement compliance with Sustainable Timber Policy and Timber Monitoring arrangements, the conditions needed to achieve the WWF Gold Pledge Award are met and an integrated approach to Fair Trade policy is progressed.

5. For planning and design for sustainability

- To promote improvements in BREEAM ratings and to monitor compliance with sustainable construction policies.

6. For sustainable transport

- The new Local Transport Strategy needs to reference robust CCS Programme Team outcomes and indicators.

7. For local action for health

- The new Integrated Health and Social Care Board requires to sign a Strategic Partnership Agreement with the Edinburgh Partnership Board and to drive forward action on addressing health inequalities in the City and sustainable approaches to food.

8. For achieving a vibrant and sustainable local economy

- To ensure full support for the Green Investments Project Group, the continued involvement of communities in regeneration initiatives, a focus on the development of local SMEs and addressing unemployment (specifically youth unemployment) through the Economic Strategy.

9. For securing inclusive and supportive communities

- To ensure the CLD Strategic Partnership advances the notion of sustainable communities, that community engagement practice is aligned to national standards and that agreed options to strengthen Neighbourhood Partnerships are delivered.

10. For local to global

- To support the development of a new Carbon Management Plan and Sustainable Energy Action Plan by June 2013.

Scotland's Climate Change Declaration Report 2012

City of Edinburgh Council

Section 1

Governance, Leadership and Management

Please describe and illustrate the leadership, governance and management of climate change by your local authority.

The Council has approved '[Sustainable Edinburgh 2020](#)' a framework which sets out the Council's vision for the sustainable development of the city to 2020. It commits the Council to ongoing collaboration with partner organisations to develop city-wide programmes specifically focused on this key area of sustainability and sets the following targets to ensure that by 2020 Edinburgh will have:

- reduced carbon emissions by over 40% across the city;
- more efficient energy consumption across all sectors by at least 12%;
- more renewable energy with renewable energy technologies contributing to at least 40% of energy consumed in the city;
- more low carbon transport using alternative technologies for transporting people and goods around the city;
- adapted to the unavoidable impacts of climate change in partnership with key stakeholders and local communities; and
- increased our microgeneration capacity to 10%.

In March 2012 Council approved a first action plan to take forward 'Sustainable Edinburgh 2020' (SE2020). The plan is designed to ensure that the Council takes an integrated approach to core business across economic, social and environmental issues hence initiatives such as sustainability appraisals. The actions are designed to be a mix of "transformational" initiatives such as a potential energy services company (ESCo), work on the Green Deal or sustainable food as well as practical win-win type projects. A specific programme will focus on raising awareness and engagement across the different stakeholders in the city.

Capital Coalition Pledges

On 23 August 2012 the City of Edinburgh Council agreed the [Capital Coalition Pledges](#) to be delivered during the 2012-17 local government term. There are 53 pledges aligned to six high-level commitments. The following pledges of relevance to sustainability lie under the "Maintaining and improving the quality of life in Edinburgh" commitment:

- Meet greenhouse gas targets, including the national target of 42% by 2020
- Spend 5% of the transport budget on provision for cyclists
- Use Green Flag and other strategies to preserve our green spaces
- Continue to increase recycling levels across the city and reduce the proportion of waste going to landfill
- Encourage the development of Community Energy Cooperatives

Lead politicians and officers have been assigned to support delivery of these pledges. Performance on the pledges will be reported on a six-monthly cycle.

Corporate Policy and Strategy Team

The Carbon, Climate and Sustainability Team (CCS) has become part of the newly created Corporate Policy and Strategy Team (CPST). As well as sustainability, the CSPT incorporates equality and rights, strategic community planning, third sector policy & strategy and the Cooperative Development Unit. The joining of these five core functions will provide a new delivery vehicle for partnership working, and create improved synergies between these areas.

Cooperative Capital

On 25 October 2012, the Council agreed a ['Framework to Advance a Cooperative Capital 12/17'](#) to be delivered through the establishment of Cooperative Development Unit (CDU). The Framework includes the commitment to support existing and potential cooperatives in the city to deliver energy, housing, social care and child care services. Working with the community energy and housing sectors in this way has the potential to aid delivery of local energy efficiency and micro-energy projects across the city.

Report Writing

The Council's new report template includes a sustainability impacts section designed around the three Public Bodies Duties. The Council's Carbon, Climate and Sustainability (CCS) Team has prepared a short worksheet, model text and accompanying briefings on the Council's statutory duties on carbon, climate change adaptation and sustainability to help Council staff complete this section appropriately. The support material guides staff to Sustainable Edinburgh 2020 and the e-learning course on Sustainable Development.

Carbon, Climate Change Adaptation and Sustainability Tool

The Carbon Climate & Sustainability Team (CCS) has engaged Jacobs International to develop and deliver an electronic tool to help staff assess policies, programmes, projects and processes against the Council's statutory duties (Climate Change (Scotland) Act (2009) on carbon, climate change adaptation and sustainability. An initial version of the Tool was tested by Council staff on 25 March, and Jacobs will deliver the finalised Tool by the end of April 2013. The CCS Team will roll-out appropriate user support thereafter.

E-Learning course on Sustainable Development

The Carbon Climate & Sustainability Team has created a new e-learning course to help Council staff enhance their understanding of sustainable development. The course gives an overview of sustainability, why it is important to the Council and what it means for each Council employee. Edinburgh has shared its e-learning course with other Scottish local authorities via SSN.

Sustainable Food City

An initial stakeholder consultation meeting was held on 11 December 2012 to establish the potential of developing Edinburgh as a 'sustainable food city'. There was strong representation across all sectors (public, community, voluntary, private) and agreement to establish a steering group to take this agenda forward. The 'Edible Edinburgh' steering group held its first meeting at the end of January and agreed a vision for Edinburgh as a sustainable food city:

"Edinburgh is a city where good food is available and accessible for all, making for healthy people, thriving communities and a sustainable environment. "

A transformative approach was agreed. A year-long workplan to enable this will involve:

- identifying and engaging with key partners (and resources) required to develop a sustainable food city;
- establishing a clear set of values, objectives and an outline strategy for a sustainable food city;
- city-wide consultation and engagement on the above;
- developing measures and a benchmark for Edinburgh as a sustainable food city, and
- establishing governance for delivery of a sustainable food city.

Section 2

Reducing the local authority's own 'corporate' greenhouse gas emissions from its estate, services and functions.

What are your local authority's baseline emissions, actual emissions and emission reduction targets for its direct 'corporate' greenhouse gas emissions? Please make it clear what emission sources are included, and where data has been sourced.

Carbon Management Plan

The Council is striving to record and collate the most accurate possible 'footprint' of its own carbon emissions. Throughout 2011 the Council worked in partnership with consultants from the Carbon Trust to fully review and update the Council's carbon footprint as part of a comprehensive review of the Council's Carbon Management Plan. A new Carbon Management Plan will be published in 2013. The most recently available revised and updated information (incorporating updates to carbon emission factors) on the Council's carbon emissions available from the Council's Carbon Management Plan is as follows:

MAIN CARBON FOOTPRINT CATEGORIES	2005/6 tCO ₂ e	2006/7 tCO ₂ e	2007/8 tCO ₂ e	2008/9 tCO ₂ e	2009/10 tCO ₂ e	2010/11 tCO ₂ e	2011/12 tCO ₂ e
MUNICIPAL WASTE	91,633	89,415	82,112	75,664	73,241	68,969	66,008
BUILDING ENERGY	68,363	72,643	73,230	74,745	76,549 ¹	70,781 ¹	66,036
TRANSPORT - FUEL	8,533	8,585	8,413	8,303	7,159 ²	7,818	7,596
TRANSPORT – STAFF TRAVEL	2,099	2,256	2,286	2,109	2,038	1,869	1,688
INFRASTRUCTURE ENERGY	22,283	21,855	22,298	22,266	22,177	22,164	22,149
TOTAL	192,911	194,754	188,338	183,088	181,165	171,602	163,477
% reduction 2005/6 to 2011/12				15.2%			

Commentary

Overall trend – Carbon emissions have shown a reduction against baseline bringing the Council close to its target carbon reduction trajectory and the achievement of a target 20% emissions reduction by 2014/15. The contribution of reduction of waste to landfill has been significant in driving this overall corporate reduction, and this contribution will accelerate sharply from 2017 onwards when there should be a maximum of 5% of municipal waste going to landfill. The contribution from other Service Areas to the Council's overall reduction in emissions has been mixed.

Notes:

1. Excluding Edinburgh Schools' Partnership (PPP1) data and emissions from Council-owned homes to maintain consistency with the scope of 2005/6 baseline (housing emissions detailed below)
2. Data reflects significant impact of refuse collection dispute

Reduction in the Carbon Footprint of Council Housing

In accordance with standard Carbon Trust guidance, carbon emissions from Council-owned housing are not included in the calculation of the Council's corporate carbon footprint. Analysis of carbon emissions by the Department for Energy and Climate Change (DECC) show that currently in Edinburgh, housing of all tenures in the city generates 1,039,000 tonnes of carbon emissions annually. Council housing accounts for 9% of the city's housing stock. This suggests that Council housing generates 93,500 tonnes of carbon emissions annually. Estimates from the Scottish House Condition Survey data show that in 1990 291,000 tonnes of carbon were emitted from 36,000 council homes. By 2010, these carbon emissions would have reduced by 46% to 155,000 tonnes, which reflects the impact of investment in council homes under the Scottish Housing Quality Standard (SHQS) delivery programme. Once stock loss through demolition and right to buy is taken into account, the actual estimated carbon emissions from the current council house stock is 91,000 tonnes annually. Since 2006/07 over £149 million has been invested in improving Council housing to the Scottish Housing Quality Standard (SHQS). In 2012/13 the Council is investing approximately £48 million in new and improved Council homes. The performance of Council housing towards reducing carbon emissions will now be monitored annually by Services for Communities and reported to Council.

What is your local authority doing to achieve its reduction targets and adapt to climate change?

Carbon Management Plan

A revised draft Carbon Management Plan 2013-18 (CMP) for the City of Edinburgh Council (CEC) is in preparation. The draft Carbon Management Plan is split into three sections:

- **Background and Context:** This section will set out the aims and objectives of the CMP, the drivers behind the CMP, the Council's governance structure in relation to carbon management, the original baseline carbon footprint and reduction targets.
- **Progress Review:** This section will make provision for an annual review of actual progress towards target carbon emissions.
- **Implementation Plan:** This section will provide a list of planned carbon reduction projects, with details of project ownership, estimated reductions and progress.

Carbon Trust Standard

The Council achieved the Carbon Trust Standard (CTS) in July 2012. The Carbon Trust is widely considered to be the world's leading certifier of organizational carbon footprint reduction and certifies both private and public organisations. To achieve the Carbon Trust Standard the Council has met three criteria:

- Provided an accurate **footprint measurement** including all required carbon sources;
- Demonstrated an absolute **reduction in carbon**; and
- Demonstrated good **carbon management** to a defined standard, including carbon governance, accounting, reduction methods and targets.

Led by the Carbon, Climate and Sustainability (CCS) Team who co-ordinated the submission, a CTS assessor visited the Council to view the evidence, interview relevant Council staff, and check the Council's approach to carbon management and energy monitoring systems. Colleagues in the Corporate Transport Unit, Road Services and Energy and Water Management played a key role in providing evidence as the submission looked at carbon use from fleet and road services, and Council property.

The Standard is awarded in acknowledgement of an organisation's commitment to reducing carbon emissions. In 2011 the Council achieved a 4.3% reduction in its carbon emissions. The Council is now eligible to use the Carbon Trust Standard logo and the award will remain in place until December 2013.

Carbon Reduction Commitment (CRC)

The CRC is a mandatory scheme aimed at improving energy efficiency and cutting carbon emissions in large public and private sector organisations. The initial concept of revenue recycling based on the energy performance of a participating organisation has been dropped.

As part of the compliance requirements under CRC, the Council records and reports on its carbon emissions. The Council submitted its 2011-12 annual report to the Environment Agency in July 2012. The report detailed the Council's carbon emissions along with other information on metrics and carbon management, and the energy supplied to the Council from April 2011 to March 2012. Carbon emissions associated with buildings, including non-operational property and property owned by Lothian Pension Fund are calculated and provide a carbon footprint for the Council of 52,272.36 tonnes of CO₂. In the February 2013 league table the City of Edinburgh Council has improved its position by over 700 places from its position in the 2012 league table.

Integrated Property and Facilities Management (iPFM)

In January 2012, the Council made a decision to deliver an internal improvement plan to transform the way that public services are delivered in Edinburgh. Part of this plan involves modernising the way that the Council manages buildings and property.

Integrated Property and Facilities Management (iPFM) has been formed to bring together services, staff and operations to create a more coherent approach to funding, resourcing and delivery. The integration of services provides a real opportunity to change the way this new coordinated function supports the efficient delivery of high quality public services.

Four workstreams have been identified to transform the way in which the Council's Property Portfolio is managed and FM services are delivered so that both the required improvement in performance and the savings target are achieved. The Sustainability and Carbon Reduction workstream will address energy efficiency measures and improved housekeeping.

Sustainable Procurement Policy and revised Sustainable Timber Policy

In January 2012, the Council published its new [Sustainable Procurement Policy and revised Sustainable Timber Policy](#), detailing how the Council will buy goods in a way that brings about social and economic benefits whilst minimising environmental damage. At the same time the Council became the first Scottish local authority to make a WWF 'gold pledge' (currently achieving Silver status), ensuring that it will strive to purchase timber and wood-derived products only from sustainable and legal sources. The Council will set up a recording and monitoring system to ensure forest products procured meet the requirements of its new Sustainable Timber Policy. Included in this work is the development of sustainability criteria for the inclusion in Council construction contracts.

In March 2012, the Council approved a sustainable procurement action plan (SPAP) to support the implementation of the sustainable procurement policy and revised timber policy.

Guidance has been produced on how Council staff can comply with the Sustainable Timber Policy. The guidance is for staff in service areas responsible for purchasing timber or wood products. These products are anything which includes content from trees (e.g. paper, furniture, wood fuel, site works and materials such as signage and hoardings supplied by contractors).

The CCS Team has developed an e-learning course to help Council staff understand the principles of Sustainable Procurement and how to begin to implement the Council's Sustainable Procurement Policy. The new course was published internally on 26 February 2013.

Sustainable Food

Sustainable Edinburgh 2020 prioritises food as one of its 10 key action areas. As well as the development of Edinburgh as a Sustainable Food City (detailed in Section 1) the Council will:

- pilot the Soil Association's Food for Life (FFL) Catering Mark standards with a view to improving catering provided directly by the Council (and, in partnership, across the wider public sector);
- develop a Council wide sustainable food procurement policy and strategy to improve the standards of food procured directly by the Council

The Edinburgh FFL pilot is being delivered in partnership with NHS Lothian (pilot at St. John's Hospital), Edinburgh University (pilot at Pollock Halls) and the Council (pilot at Currie High, Buckstone Primary and Clovenstone Care Home). All partners are contributing financially to the 3 year pilot which also received funding from the Scottish Government. Work is underway to look at how the Council can bring its current catering practices in line with the Bronze standard of the Catering Mark. The aim over the next three years is to attain the Gold Standard and to roll out the standards across all Council catering provision and contracts (e.g. with PPP schools).

Spend to Save for Street Lighting

A report requesting approval for the prudential borrowing to fund the Spend to Save scheme for street lighting lamps was approved by Full Council on 13 December 2012. An outline business case has been submitted. The project aims to reduce the overall energy and carbon footprint of 3,000 street lighting lanterns which are primarily within the city centre area and main arterial routes. Replacing existing energy lamps with more energy efficient ones is estimated to cost £1.225m and achieve total energy savings equal to £0.213m per annum (at current prices and which are likely to increase each year by 8%).

Section 3

Taking action to reduce the emissions from the local authority area

What are your local authority area-wide emissions? Please make it clear where data has been sourced.

Care is needed when stating area-wide emissions as different methods of estimation are used by different organisations, making direct comparisons problematic. In line with SSN guidance, two of the most frequently used sources of information for both consumption and production-based emissions are used in this report.

Consumption-based CO₂ emissions

Consumption based emissions for the City of Edinburgh local authority area are available from the Stockholm Environment Institute using the REAP software.

The latest available data indicates that the City of Edinburgh has:

- an Ecological Footprint of 5.58 (gha/capita)
- a Carbon Footprint of 12.63 (tonnes CO₂/capita)
- a Green House Gas Footprint of 17.13 (tonnes CO₂e/capita)

Source: <http://www.resource-accounting.org.uk/downloads/scotland/edinburgh,-city-of>

Production-based CO₂ emissions

Collated estimated Scottish data is available from the Department for Energy and Climate Change (DECC). Data currently available for the City of Edinburgh, as indicated below, suggests that a slowly falling emissions trend observed in recent years may be starting to reverse. This may represent a 'bounce back' effect resulting from improving economic conditions.

Year	Industry and Commercial	Agriculture	Railways	Domestic	Road Transport	LU/LUCF*	Total	Per Capita
2005	1327	3	15	1195	763	26	3,407	7.4
2006	1457	3	16	1189	755	25	3,445	7.4
2007	1436	3	16	1177	767	24	3,423	7.3
2008	1431	3	16	1168	732	24	3,374	7.2
2009	1261	3	16	1031	719	22	3,060	6.4
2010	1323	3	16	1103	713	20	3,177	6.5

Source:

http://www.decc.gov.uk/en/content/cms/statistics/climate_stats/gg_emissions/laco2/laco2.aspx

* Land Use, Land-Use Change and Forestry (LULUCF).

Units kt CO₂ Release date: 23/08/2012

Figures published previously for 2005-09 have been revised so that they are directly comparable to the 2010 figures.

Commentary

Between 2005 and 2009 Edinburgh's carbon dioxide emissions reduced. This reduction reflects the local impact of changing national energy supply and adverse economic circumstances as well as the contribution made by a range of local projects and initiatives working to make Edinburgh more sustainable. Emissions in 2010 increased slightly. This may be indicative of the local impact of adverse weather conditions during that period. Extreme weather conditions have been identified as a prime cause of the rise in Scotland-wide emissions over the same period.

The aim of this statistical release by DECC is to provide the most reliable and consistent possible breakdown of CO₂ emissions across the country, using nationally available data sets. Wherever possible, estimates are based on 'real' local data such as electricity and gas consumption, and emissions from sites where pollution is regulated. All emissions from energy production (e.g. from electricity generation or refineries) are allocated according to where energy is actually consumed by householders and businesses, rather than where the source of the energy produced is located. The remaining emissions are assigned to local areas on the basis of other local information such as traffic, population, employment and data on household fuel types.

What is your local authority doing to measure and reduce the greenhouse gas emissions from your local authority area/communities?

As is the case with almost all UK local authorities, the City of Edinburgh Council does not attempt to directly measure carbon emissions from its local authority area. Defra and Stockholm Environment Institute data provides the best available estimate of area-wide emissions. At the present time, the direct measurement of carbon emissions by the Council would be both extremely costly and technically demanding and would add little obvious immediate benefit over and above that provided by existing data sources. Nevertheless, considerable progress has been made both in terms of seeking to reduce area wide emissions and in preparing for the unavoidable impacts of climate change.

Planning and Development Initiatives

Strategic Development Plan

The SESplan Joint Committee approved the SESplan Proposed Plan for submission to Scottish Ministers in June last year. The examination into unresolved representations to the Plan started in October and is still underway. Ministers' target is to complete examinations within 6-9 months. They should therefore receive the reporters' report, with any recommended changes to the SDP, before the end of June this year. Formal approval would follow within a few months. At that point, the three structure plans currently covering the region will be superseded.

The Proposed SDP provides an ambitious vision for the next 20 years, with the Edinburgh city region set to become a healthier, more prosperous and sustainable place which continues to be internationally recognised as an outstanding area in which to live, work and do business. When approved by ministers, it will shape the timing and content of the city region's local development plans.

Local Development Plan

Edinburgh's new Local Development Plan (LDP) will contain policies and proposals to guide development and land use across Edinburgh. The LDP will replace the two local plans - Rural West Edinburgh Local Plan (RWELP) and the Edinburgh City Local Plan (ECLP). Publication and consultation on the Main Issues Report (MIR) took place late 2011-early 2012.

The Climate Change (Scotland) Act 2009 and the Planning etc. (Scotland) Act 2006 place a duty on the Council to act in the best way to reduce emissions, to adapt to climate change and prepare development plans to further sustainable development. The Council's commitment to fulfilling these duties is evident throughout the LDP, with policies addressing both the reduction of greenhouse emissions and the ability to adapt to a changing climate.

The LDP:

- promotes development in sustainable locations and requires new buildings to include carbon reduction measures;
- promotes sustainable and active travel;
- supports small to medium scale, decentralised and community based renewables, and the greater use of micro-generation of renewable energy;
- supports the adaptation of existing homes to reduce energy use, including listed buildings and those located in conservation areas, provided there is no adverse impact on historic character and appearance;
- aims to enhance the city's green network by encouraging land management practices which capture, store and retain carbon, prevent and manage flood risk;
- supports the delivery of facilities needed to divert waste away from landfill and promote the prevention, reuse, recycling and recovery of materials (including heat from waste), with disposal to landfill as the final option.

The Council will seek approval of the Proposed LDP at a meeting of the Planning Committee on 19 March 2013.

Environmental Quality Indicators

The Planning Committee on 14 June 2012 approved the [use of a set of indicators](#) that measure the impact of the Planning process on the quality of Edinburgh's built and natural environment. The committee report presented the results of a trial of a set of indicators to measure the impact of recent development on the environmental quality of Edinburgh.

A new national Planning Performance Framework has been introduced for 2012-13 onwards. The indicators should respond to the 'delivery of good quality development' element of the Framework and are responsive to the impact of planning decisions. They will be reviewed annually to help ensure that the outcomes of planning decisions maintain and support the quality of the city's environment.

BREEAM

The Council aims to achieve a minimum sustainability performance of BREEAM 'Very Good' rating and aspire to BREEAM 'Excellent' rating, when procuring new buildings and refurbishing old buildings. The Council has received an Eco-Homes 'Excellent' accreditation from BREEAM for Phase 1 of the 21st Century Homes for Edinburgh development at Gracemount, comprising affordable housing. The development provides 99 new homes – a mix of flats, colony style units and terraced houses for council and mid market rent and shared equity.

The development of the East Neighbourhood Office and Library at Craigmillar fulfils many wider corporate Council objectives and initiatives including: the rationalisation of accommodation, improved joint working between Departments, and the embedding of sustainability in the activities and projects of the Council. It is anticipated that the Police Safer Neighbourhood Team may also operate from the new facility. The development will assist the City of Edinburgh Council to increase the scale of local joint service working and integration, resulting in better outcomes for people at the point of service delivery. The office development is part of the Council's 'Fit for Future' strategy and achieved a sustainability target of BREEAM 'Excellent'.

Drumrae Library Hub brings together a range of public services and community facilities under one roof and includes the following facilities:

- a new library for the area;
- the Police Safer Neighbourhood Team;
- community meeting rooms and a café area;
- a day care centre; and
- access to a range of Council services.

This new £5.7 million building has been designed as a sustainable development, responsive to the

needs and aspirations of local people. The centre incorporates up to the minute sustainability features such as a ground source heating system which provides a sustainable energy source and a new electric vehicle and charging point.

Energy

Sustainable Energy Action Plan

The Council has pledged to “meet greenhouse gas targets, including the national target of 42% by 2020”. Meeting this pledge will amount to radically transforming energy use in the city’s buildings and transport. The CCS Team is developing a Sustainable Energy Action Plan (SEAP) which will detail how this challenging goal could be achieved whilst exploiting the economic, social and environmental opportunities which will arise from the significant investment required. The SEAP will also meet the Council’s commitments under the Covenant of Mayors.

The SEAP should:

- make Edinburgh’s future energy supply more secure;
- help protect households, businesses and public services from excessive energy bills (including tackling fuel poverty);
- create new low carbon businesses and jobs; and
- enable Edinburgh’s citizens and communities to have a greater say in energy generation and energy use.

Consultation on the draft Sustainable Energy Action Plan will take place in 2013.

CASCADE

The [CASCADE](#) project is a Eurocities initiative aiming to develop local energy leadership and address issues such as renewables and decentralised energy. Involving 19 major European cities, including Edinburgh, CASCADE commenced on 1 June 2011, running for a period of three years. The goal of CASCADE is to design and deliver a networking and capacity building programme among participating members. Funding is provided through the Intelligent Energy Europe (IEE) programme.

In September 2012, the 22 CASCADE partners met in Malmo to take stock of the results achieved in the first year of the project and prepare the programme of networking and mutual learning activities for the remaining two years. Two members of the CCS Team attended this event.

During the first year, six peer learning events were organised. These visits consisted of a group of experts from different cities reviewing and validating local policies being implemented in particular cities, and giving recommendations on possible areas of improvement. In each visit, CASCADE experts examined different aspects of policy implementation such as partnership work, policy integration, leadership or financing linked to specific areas of work.

During the second year, CASCADE is organising study tours, mentoring and work shadowing visits. Another 20 cities have been invited to participate in these exchanges.

Heat Map

The Council is working with the Scottish Government to produce a Heat Map of the city utilising GIS, which will potentially guide investment in housing, industry, business, green development technologies and others in future years. The target for producing the Heat Map is summer 2013.

Further work will be required with community planning partners to identify specific heat consumption patterns, especially from buildings in public ownership.

Green Deal in Edinburgh

A business case is nearing completion for increasing energy efficiency retrofit using ECO, Green Deal and other finance. This has been developed in partnership with the Scottish Cities Alliance and assesses

the potential for setting up a framework or partnership approach to draw in ECO for retrofit projects, and work alongside private sector partners to maximise Green Deal uptake. This programme will fit with Scottish Government funding available through Home Energy Scotland: Area Based Schemes. A report will be provided to the Council's Health, Wellbeing and Housing Committee initially, followed by other relevant committees, e.g. Finance and Budgets.

Sustainable Lighting Strategy

On 14 June, the Council's Planning Committee approved the finalised [Lighting Strategy for Edinburgh](#) following consultation. One of the strategy's objectives is to reduce energy use and cost and to minimise light pollution. This will be achieved through:

- providing more detail to customers on the Council's maintenance and improvement programme for lighting;
- continuing to address energy reduction measures through the city wide programme of maintenance and replacements, and light spillage and pollution through the design of light fittings.

European Green Digital Charter

The Council signed up to the Eurocities Green Digital Charter in November 2012. The Charter is an Eurocities initiative, committing cities to work together to deliver on EU climate objectives through the use of Information and Communication Technologies (ICT) that increase energy efficiency, facilitate emissions reductions and forestall climate change.

Transport

The Council adopted the [Transport 2030 Vision](#) in 2010. This established 29 desired Outcomes for transport in this city. Indicators to measure progress against the Outcomes are almost all in place. Early trends show that the majority of indicators are heading in the desired direction. A major indicator used in the Transport 2030 Vision is carbon dioxide emissions from road traffic. This is moving in a positive way, down from 786,000 (2008) to 713,000 tonnes (2010).

The [Local Transport Strategy](#) (LTS) set targets to be achieved by the end of 2010. Overall, progress against the LTS targets has been positive. In the data available up to 2010, positive trends are evident, with indicators used in the LTS being met:

- taken together, the mode share for travel to work by Edinburgh residents by public transport, walking and cycling has increased;
- less road traffic; down from 3,040 (2008) to 2,885 (2010) million vehicle kilometres per annum, against the target of no more than 3,100; and
- fewer road traffic casualties killed, or seriously or slightly injured.

Around 90% of the LTS 2007–2012 Action Plan, now extended to 2013, has been successfully completed. Those actions that are ongoing, or have not been progressed, are being considered in the process of preparing the new LTS. These include a Pedestrian Design Guide, lobbying for improvements in long-distance rail travel times and maintaining the taxi-card scheme within budgetary constraints.

The Council is now working to draw up an LTS for 2014-2019. An '[Issues for Review](#)' Report is the first stage in the preparation of the LTS. Its purpose is to seek views on the issues where change is needed, or the Council faces a choice in future direction. Many of the policies and objectives in the current LTS are still valid; and these will simply be continued or updated for the next LTS; there will be a chance to give feedback on those in a later consultation process.

The [Active Travel Action Plan](#) (ATAP) was approved in September 2010 and significant progress has been made in implementing it. On 9 February 2012 the Council agreed a funding level of 5% of the transport budget for cycling measures, increasing by a further 1% year on year. Over the past year, the Council's Capital Transport Programme has been used to deliver new walking/cycling facilities that support development of the 'Family Network' and 'Cycle-Friendly City' routes. These include improvements to the Quality Bike corridor (Princes Street to King's Buildings) and the Leith to Portobello route plus some smaller schemes and cycle parking installations. Under the ATAP, the Council's target

is for 15% of journey to work trips to be made by bike by 2020, and 10% of all trips to be made by bike by 2020. A Steering Group and a wider Working Group, made up of the Council and its partners, has been set up and meets regularly to manage implementation of the Plan. Topic-based working groups have been set up, covering areas such as Network Management (including maintenance), Marketing, Design Guidance and Monitoring.

Investment in walking/cycling facilities totalled £1.9 million in 2011/12 and is expected to be £2.0 million in 2012/13. Over 50% of this funding is from external sources, especially the Scottish Government and Sustrans. The draft Scottish Budget for 2013/14 and Spending Review to 2014/15 show an apparent increase for active travel (within a wider sustainable travel budget of £35M in 2013/4 compared to £16M in 2011/12).

The Scottish Household Survey (SHS) data is available up to 2009-2010. It shows that cycling, walking and bus use comprises a larger proportion of residents' journey to work in Edinburgh than in other large urban areas. Edinburgh's rail mode share is lower, reflecting the limited potential for rail travel within the city. Satisfaction with the punctuality of Lothian Buses plc services continues to improve annually (96% satisfied in 2011). A Public and Accessible Transport Action Plan is being developed with the core aim of increasing the mode share of public transport.

It is currently too early to assess the impact ATAP implementation is having on walking and cycling numbers. The Central Edinburgh Passenger and Traffic Survey (CEPATS) shows that the number of cyclists entering the city centre during the morning peak period has increased from 1,031 in 2010 to almost 2,000 in 2011. The Year 2 Progress Review of ATAP will provide an update on progress with the core measures associated with promotional activity that will be delivered in 2013/14.

Electric Vehicle Procurement Support Scheme

The Edinburgh Partnership received £207,000 as part of the Scottish Government's Electric Vehicle Procurement Support Scheme, to fund the price difference between traditionally-powered vehicles and their electric equivalents.

The Council will receive six new electric cars, Lothian and Borders police will receive two, and two will be leased by NHS Lothian. The new electric vehicles will be on the road by Spring 2013. Three charging points will be installed at Council offices, whilst Edinburgh Napier University is set to add another three.

Analysis of the Council's current electric vehicles revealed that on average one Nissan Leaf, doing 6,000 miles a year will reduce CO₂ emissions by five tonnes. Six similar electric cars could be estimated to reduce CO₂ emissions by 30 tonnes and save 1,270 gallons of petrol (equating to a cost saving of £5,000). If the electricity is generated from renewable sources, the cars will generate no emissions, and they can be charged overnight at off-peak rates to achieve further cost savings.

Electric car charging infrastructure

To support the building of a nationwide electric charging infrastructure Transport Scotland have allocated funds to local Councils. The 'Plugged In Programme' was developed in 2012 in Edinburgh and £220,000 has been dedicated to rolling out the Programme through the Neighbourhood Partnerships, to provide as many as 25 charging points in publicly accessible areas.

The Council has also allocated £35,000 for a charging unit in the City Chambers Quadrangle and the kerbside outside Waverley Court and fleet services are working on funding the purchase of more electric cars.

Ecostars Edinburgh

Ecostars is a freight recognition scheme to promote efficient and clean road freight vehicles. The scheme's main objectives are to:

- improve fuel efficiency and reduce emissions;
- reduce the energy used by commercial and passenger transport;
- save operators money; and

- provide tailor-made support to road freight operators.

A consortium of twelve partners, led by Transport and Travel Research Limited (TTR), successfully obtained funding from the Intelligent Energy Europe - STEER programme for the introduction of the Ecostars project into a number of European cities, including Edinburgh. The project began on 1 June 2011 and the [official launch](#) of [Ecostars Edinburgh](#) was on 26 January 2012.

One of Ecostars Edinburgh's inaugural members is the Council's own fleet (which has the largest number of vehicles of all the members recruited so far). Ecostars rates individual vehicles and the overall operation of a vehicle fleet using a star rating system, to recognise levels of operational and environmental performance. The Council has attained a creditable three star rating.

One of the benefits members obtain from the scheme is a bespoke roadmap of advice. This excellent resource highlights the good practice already being employed in the operation of the Council's own fleet along with those areas where action is suggested to maximise efficiency, savings and emissions reduction. It is hoped that by implementing the roadmap's suggested measures the Council will increase its star rating as well as leading the project by example.

Eco Schools

The aim of the Eco-schools programme is to embed environmental awareness and action into the day to day life of pupils and staff in schools, while also engaging the wider community. There are 271 registered eco-schools in the city (including partner provider and private nurseries and independent schools). 182 hold a Bronze Award, 169 have a Silver Award and 85 have achieved Green Flag status. This equates to 97% of local authority schools being registered with the programme, 92% including independent schools/private nurseries and 79% of participants that possess one award (Bronze/Silver/Green Flag).

Earth Hour 2012

In March 2012 local residents in Edinburgh were again urged to show their support for international action on climate change by switching off their lights for WWF's Earth Hour 2012.

The City of Edinburgh Council switched off the lights at City Chambers, Waverley Court, the Scott Monument, Princes Street Garden monuments including Edinburgh Castle rock, the Burns Monument, City Art Centre and Calton Hill. Earth Hour was promoted externally to the Council's partners and stakeholders and internally to staff through an Earth Hour competition. Edinburgh had the highest number of individual sign-ups of any Scottish local authority area and was awarded "Super Authority" status for participation across the city.

Central Scotland Green Network

In August 2012 the Council made a declaration of support for the Central Scotland Green Network (CSGN). The CSGN is a national priority project, considered by Scottish Ministers to be an essential element of the strategy for Scotland's long term development. This declaration acknowledges the aims of the CSGN, its vision and the opportunity it provides to deliver economic, social and environmental objectives. The City of Edinburgh Council contributes to CSGN objectives through the management and improvement of Edinburgh's green spaces, path and cycle networks and by securing provision of open space and green network connections as part of new urban development proposals. The CSGN will have a positive effect on regional carbon emissions, water environment, biodiversity, built environment and green space.

Edinburgh Outdoors

[Edinburgh Outdoors](#), a parks and greenspaces NESTA UK funded project, has been launched. The website contains information about events, park facilities, wildlife and heritage. Smartphone apps are available to allow access to information on the move.

The sustainability aims of the project include:

- promoting parks and green spaces and encouraging usage;
- promoting conservation of Edinburgh's green heritage and biodiversity;
- tracking usage and also supporting work in the parks by providing a "Report It" mechanism;
- tracking biodiversity across the city and collating sightings throughout the year of animals, birds, insects and plants to gain a better overview of the city eco-systems;
- encouraging local communities (working with Friends of Parks) to become more involved in
- supporting the city's natural heritage and eco-systems and taking this hyper-local (to their own homes and environments); and
- engaging schools in the Eco-Schools programme by encouraging biodiversity projects in parks and green spaces.

I-Tree

In partnership with Forestry Commission Scotland and its Research branch, the Council has embarked on a study which will attempt to calculate the benefits provided by Edinburgh's tree population. Using data gathered in 200 random sample plots, estimates are made of the amount of carbon stored by trees and woodlands, the amount of atmospheric pollutants scrubbed from the air, and the structural value of Edinburgh's trees. The equivalent monetary value is then calculated so that the Council can compare it with the amount currently spent on planting and maintaining trees in order to estimate its return on investment. The research has been undertaken and the results and correlating monetary values are back from the Forestry Commission. These findings will be reported to the Council in June 2013 as part of implementing the Tree Policy and Strategy.

Section 4

Assessing the risks of climate change impacts and working with others to adapt to the impacts of climate change.

What is your local authority doing to adapt to climate change?

Climate Change Adaptation Framework

The Carbon, Climate and Sustainability (CCS) Team has been working with Adaptation Scotland as part of the development of a Climate Change Adaptation Framework for the Council. As a key part of the ongoing drafting process an internal workshop was held on 18 October 2012 with support from Adaptation Scotland.

The aims of the workshop were to raise awareness of the adaptation agenda and the development of the Framework among Council colleagues, highlight predicted local climate trends and their potential impact on council services, and discuss the potential actions that need to be developed to ensure that the services provided by the Council are 'Climate Ready'.

This process of consultation with colleagues will continue in order to move forward this agenda, and help the Council develop actions and identify possible barriers to adaptation. These will be incorporated into the Adaptation Framework as it develops.

Water of Leith Flood Prevention Scheme

Severe flooding in April 2000 highlighted the need for investment in flood prevention infrastructure across the city. This resulted in the development of plans for the Braid Burn and Water of Leith Flood Prevention Schemes. The estimated cost of both these schemes is £144.4m, of which £102.4m funding has been secured.

The Water of Leith Flood Prevention Scheme is a key project to help protect areas of the city from flooding. The project runs from Bonnington through Murrayfield and on to Longstone and the Murray Burn. £14.5m has been spent on preparatory and advanced works. Due to uncertainty over funding in 2009, it was decided that the works be carried out in three separate phases.

Phase 1 (Bonnington to Stockbridge) is currently under construction and is due for completion by March 2013. The estimated costs of completing Phase 1 is £21 million.

Section 5

Developing effective partnership working and climate change communications, including producing an annual statement of plans, activities and achievements.

Please describe and illustrate your local authority's partnership working on climate change.

Sustainable Food

The Council has formed a partnership to pilot the Soil Associations Catering Mark Standards within its catering and procurement operations. The partnership is with NHS Lothian, Edinburgh University, The Soil Association Scotland, Nourish Scotland and Transition Edinburgh. NHS Lothian and Edinburgh University are also piloting the standards and together with the Council also contribute funding towards the pilot. The majority of funding for the project was awarded from the Scottish Government. The aim of the pilot is to support the development of more sustainable food systems within each of the participating partner organizations, lead the way for the public sector in doing so and in turn, demonstrate a lead for wider city-wide action for sustainable food.

Ecotown

Ecotown, created by Scottish Business in the Community (SBC), brings energy, waste, food and travel experts directly into businesses to help staff understand and act towards existing environmental policies. The aim is to help employees and businesses to become more energy and resource efficient.

In November 2012, SBC brought Ecotown to the City of Edinburgh Council with the goal of educating and influencing staff in environmental sustainability, encouraging them to support existing Council environmental policies.

Climate Change Mapping Exercise

The Council has undertaken a mapping exercise to try and capture current and future climate change activity in Edinburgh. This has confirmed that considerable work is already being done within the Council, by its partners and other organisations throughout the city to try to mitigate and adapt to the impacts of climate change. The mapping exercise on current activity is complete and opportunities to map out ongoing activity across the city are being investigated.

Edinburgh Community Energy Co-operative Ltd

The Council has been supporting the growth of the [Edinburgh Community Energy Co-operative Ltd](#) which was formed at the end of 2007 with the support of Co-operative Development Scotland. In December 2012 the Council hosted a Co-operative seminar which brought together a range of individuals and organisations with an interest in energy efficiency and renewable energy in Edinburgh. The seminar aimed to:

- identify and discuss opportunities for Edinburgh-based energy initiatives;
- consider how Edinburgh as a Co-operative Council can help foster and realise these ambitions; and
- identify next steps in making community and co-operative energy initiatives a thriving reality in Edinburgh.

Edinburgh Biodiversity Partnership

The following actions were carried out by the Council in 2012 to deliver the Scottish Biodiversity Duty:

- Chaired and co-ordinated the Edinburgh Biodiversity Partnership
- Continued to represent the Council at the Forth Estuary Forum, SEPA Forth Area Advisory Group,

Water of Leith Action Group

- Mapped Edinburgh's natural green network and calculated that 82% of Edinburgh's residential properties are within 400m walking distance of natural greenspace
- Wrote the Business and Biodiversity Action Plan outlining how we aim to engage the business sector in local nature conservation issues
- The number of registered Eco-Schools rose to 90% in Edinburgh
- Directly engaged the public in biodiversity topics by: co-ordinating Edinburgh Biodiversity Week 2012; writing articles for park notice boards; meeting and advising local groups
- Prepared an updated information sheet for Planning Officers and developers providing information about incorporating nest sites for swifts in new developments
- Produced an information note on statutory duties of the Council in relation to bats and their roosts
- Pentland Hills Ranger Service continued their site management for biodiversity at Harlaw Wildlife Garden, two wildflower meadows, Bonaly heather moorland and various sites planted with juniper. Similarly the Countryside Ranger Service created new wildflower meadows at three sites, managed invasive species and monitored transplanted priority plants
- Pentland Hills Ranger Service carried out 26 days of biodiversity surveys, of which 19 involved members of the public. 49 volunteers helped. Biodiversity volunteers were recruited and trained by the Countryside Ranger Service
- The Countryside Ranger Service developed a coastal grassland management plan for the Cramond foreshore area
- The Inch nursery continued to sell Scottish-provenance wildflowers to schools and community groups for the Native Plants Project and propagate seeds for Edinburgh's priority plants

Key achievements of the Edinburgh Biodiversity Partnership (EBP) in 2012 were as follows.

- The Partnership continued to link community involvement with the Planning service by including volunteers' data on protected species in the Uniform constraints layer. This data is co-ordinated by The Wildlife Information Centre
- The Wildlife Information Centre carried out a review of Edinburgh's designated Local Biodiversity Site boundaries
- Tarmac Limited, Historic Scotland and the Council collaborated on plans to deliver LBAP actions on Tarmac-owned land at Ravelrig Quarry
- Forth Estuary Forum and the Council delivered the Edinburgh Coastal Trail – a series of seven coastal interpretation panels telling readers about the wildlife and maritime history of the Firth of Forth
- Members of the EBP engaged c.500 members of the public at the Royal Botanic Garden Edinburgh as part of Edinburgh Biodiversity Week 2012
- The Council worked with local Higher Education institutions on several projects to build knowledge of our priority coastal biodiversity
- The Council continued its work with University of Edinburgh on the Urban Pollinator Project – sampling urban habitats, farmland and nature reserves around Edinburgh, and planting sites with wildflower meadows
- Edinburgh Natural History Society carried out a botanical survey of Hound Point on the Dalmeny estate and led an evening outing to look at rare native plants in the Botanics
- Butterfly Conservation updated and reprinted their successful leaflet on butterflies and day-flying moths of the Lothians & Scottish borders

I-Bike

This award winning project encourages more children to get into cycling. The focus is on Primary 6 and 7 pupils through the transition to high school and S1 and S2. A dedicated officer works intensively with the school to promote cycling activities and, each term, special events. At one school the numbers of children cycling rose from 0.5% to 10%. There is also a capital investment in improving cycling facilities at schools. I-Bike is part of the Council's Active Travel Action Plan.

Sustainable Travel Accreditation and Recognition for Schools (STARS)

The Council's Road Safety Team will be taking part in an Intelligent Energy Europe funded project to encourage more children to cycle to school. Edinburgh is part of an EU wide group and will be working with twelve other cities to promote active travel and cycling in particular in Edinburgh schools.

[STARS](#) will target the school run because these journeys account for a large proportion of regular travel by households, leading to congestion and increased carbon emissions. The distance of the journey to school is almost always under 5km making cycling a definite option, targeting children and young people is the key to long term culture change.

STARS wants to achieve a 5% modal shift from the car to cycling. The project will focus on a pan EU programme of accreditation where schools can work towards recognition of their efforts in promoting sustainable transport, especially cycling. A variety of toolkits and guidance templates will be provided to schools.

Brake the Cycle

The Council has launched a [new scheme](#) to encourage cycling and the recycling of old bikes. Old, unwanted or broken bikes will be repaired and given to people who really need them. Single parents, disabled people, those in receipt of benefits, the elderly, community organisations and groups, schools, play schemes, youth groups, young people's residential units, people with additional support needs, and those with an allocated social worker or support worker, are being offered the opportunity to apply for a free bike under the scheme. The initiative is being run by the Council's Central Community Work Team.

Festivals Edinburgh

Festivals Edinburgh approached the Council to build a relationship which supports them in the best way in: promoting a sustainable future through reducing carbon emissions; managing the ways in which they affect the environment; and contributing to the global environmental discussion. Festivals Edinburgh has identified that they have the strength in terms of reputation and impact to create a powerful platform to focus Scottish and international attention on ways of achieving this sustainable future.

Their approach to taking responsibility for their impacts for the next five years is defined by embedding environmental practice into the core business of their twelve festivals. Each of the festivals has begun monitoring their direct impacts, with the aim of having a full carbon footprint of each festival by 2014.

The festivals participate in a joint environment working group and have produced a toolkit called Green Venues Initiative, working with Creative Carbon Scotland. The Council will look to use this in its venues.