

# Greening Clackmannanshire: Environment Framework



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# About Clackmannanshire

Set in the heart of Scotland, with the stunning Ochil Hills as its backdrop, and the River Forth as its foreground, Clackmannanshire encompasses a wide variety of habitats from tidal mudflats to high moorland. Built heritage complements the biodiversity of the area - historic tower houses with royal associations, remains of medieval town planning and formal Victorian suburbs and parks. The Beam Engine House at Devon colliery and the oldest reservoir in Scotland at Gartmorn Dam are important reminders of the area's past industries.

Today, Clackmannanshire has new transport links to Central Scotland by way of the Clackmannanshire Bridge and the railway to Stirling and beyond, already exceeding passenger forecasts. Clackmannanshire's communities enjoy ready access to the countryside through a comprehensive network of paths and tracks. The air quality is high for an area so close to the major industries of Scotland. Recycling has taken off with Clackmannanshire having the highest recycling rates in Scotland and with community involvement in environmental projects being recognised in John Muir Awards to individuals and school groups.

# Introduction

Greening Clackmannanshire is our Framework for Action on the local environment. It has been designed and driven by the Environment Partnership Team (EPT). The EPT is a local partnership of public, business and voluntary sectors. They are responsible for taking forward the environment theme of the Clackmannanshire Alliance, the local community planning partnership.

The notion of the 'the environment' goes beyond protecting and enhancing our natural landscape and built fabric. It embraces a range of challenges from climate change, resource and energy use, and sustainable production and consumption through to enhancing the health and well being of our communities. It is woven into Community Planning by the Scottish Government's purpose of focusing **'government and public services on creating a more successful country, with opportunities for all of Scotland to flourish, through increasing sustainable growth'**. The EPT considers that to be sustainable, economic growth must be balanced with protecting the environment and improving quality of life.





# The Environment Matters

The quality of the environment in which we live, work and relax is fundamental to our well-being and quality of life. Our townscapes and countryside, the quality of the air we breathe, the range of wildlife habitats and historic monuments – all are intrinsic to the delight of Clackmannanshire. They set the context for a safe, open and healthy community with a strong sense of place and identity.

Attractiveness and accessibility bring their own pressures. The Clackmannanshire Bridge and the rail link into the national network, the effective shrinking of distance that draws us closer to Edinburgh and the other major population centres, new house building and increases in local income will all leech from our environmental vitality if we are not caring and careful. We have to keep a balance: as we seek to improve our quality of life, we have a responsibility to avoid creating irreversible problems for future generations. We must balance the benefits and risks of new development with an eye to our legacy to those who will follow us.

Greening Clackmannanshire is not just about the physical environment but the relationship between Clackmannanshire and the planet we care for. It is about the way we work, sleep, play, eat and do all the other things

we want to be able to do and want our children to be able to do. It is about how we learn from the environment in all its diversity and how we gain benefit from it; how we nurture and respect it and thus improve our own well-being as individuals, families, neighbourhoods and healthy, sustainable communities.

The environment is an integral and integrated thread in the weave of the Community Plan. Looking at the relations to the other key strands, for instance:

- **Economic Development** - the environment gives an attractive location for business, visitors and tourists and in return sees technological innovation and stewardship (farming and land).
- **Community Health** - we give tranquillity and cleanliness and we get caring attitudes.
- **Community Safety** - we give sustainable, responsibly-managed space and we get community spirit and pride.
- **Community Learning and Development and Children & Young People** - we give a stock of knowledge on environmental issues and responsibilities and we get access to the commitment of generations critical to the health of the environment.



# Clackmannanshire Environmental Strengths, Weaknesses, Opportunities and Threats

Broadly speaking, Clackmannanshire’s environmental issues reflect those of Scotland as a whole. We perform well on air quality and waste management, but we have areas of deprivation with poor health and environmental degradation. Our natural heritage is vulnerable to development pressures and climate change. The table below summarises the position:

Strengths	Weaknesses
<ul style="list-style-type: none"> <li>■ superb natural environment and rich cultural heritage (eg the Tower Trail)</li> <li>■ good air quality</li> <li>■ community engagement, including groundbreaking initiatives such as green mapping, and regular community action to improve local environments</li> <li>■ recycling levels above the Scottish average</li> <li>■ innovative environmental education work with schools</li> <li>■ work to understand and reduce flood risk in Clackmannanshire</li> </ul>	<ul style="list-style-type: none"> <li>■ housing expansion and industrial development could bring pollution threats to the natural environment and to health</li> <li>■ poor building maintenance</li> <li>■ decline in biodiversity</li> <li>■ lack of information on European protected species</li> <li>■ health inequalities</li> <li>■ areas of Forth estuary classed as “poor”</li> <li>■ Lack of environmental database and knowledge base</li> </ul>
Opportunities	Threats
<ul style="list-style-type: none"> <li>■ focus on transport and recreational access improvements</li> <li>■ projects being rolled out through the Local Biodiversity Action Plan and Woodlands In and Around Towns</li> <li>■ climate change: community-based initiative under development</li> <li>■ Scotland’s Zero Waste Plan</li> <li>■ buildings and transport can become more environmentally-friendly through new technology</li> <li>■ delivery of energy-efficient, sustainable developments through Clackmannanshire’s Sustainable Design &amp; Construction guidelines</li> </ul>	<ul style="list-style-type: none"> <li>■ environmental legislation is becoming stricter and more wide-ranging, with potential issues of liability and non-compliance</li> <li>■ pressures on local authority and environmental agency funding</li> <li>■ impact of climate change on biodiversity</li> <li>■ household waste increasing</li> <li>■ flood risk in many areas</li> <li>■ loss of quality greenspace</li> </ul>

# The Changing Policy Context

Greening Clackmannanshire has been written against a changing policy context. As a consequence of national and international concerns, the Scottish Government has promoted the Flood Risk Management and Climate Change Acts, which will have an impact on organisations represented on the EPT. Further changes concern the relationship between central government and local partners.

## The Scottish Government National Performance Framework

In 2007, the Scottish Government launched its National Performance Framework, aimed at making Scotland a more successful country. The framework has five strategic objectives for Scotland: Wealthier & Fairer, Smarter, Healthier, Safer & Stronger, and Greener. The EPT is focussed on the Greener objective, itself contributing to the other objectives, which flows to the following national outcomes:

- we live in well-designed, sustainable places where we are able to access the amenities and services we need;
- we value and enjoy our built and natural environment and protect it and enhance it for future generations; and
- we reduce the local and global environment impact of our consumption and production

The Sustainability targets are also important:

- to reduce emissions over the period to 2011, and
- to reduce emissions by 80% by 2050.

## Single Outcome Agreement

The Concordat between the Scottish Government and COSLA sets out the terms of a new relationship between the Scottish Government and local government until 2011. Key to the new relationship is the development of a Single Outcome Agreement which sets out the outcomes each local authority is seeking to achieve with its community planning partners. The agreement reflects

local needs, circumstances and priorities, but is related to the national outcomes agreed in the Concordat. The priorities in Clackmannanshire's Community Plan provide the foundation for its Single Outcome Agreement.

Greening Clackmannanshire is primarily related to the priority outcome

- **the environment is protected and enhanced for all**

but other priority outcomes of relevance are

- **health is improving and health inequalities are reducing and**
- **the area has a positive image and attracts people and businesses.**

## Scotland's Climate Change Declaration

Climate change is possibly the biggest threat to Clackmannanshire's environment, with potential impacts from floods to droughts, severe storm events to heat waves, and species movement, species and habitat loss and the spread of non-native invasive species. This threat has been recognised by the Council in signing up to Scotland's Climate Change Declaration, a commitment to work in partnership with Scottish Government to tackle the causes and effects of a changing climate. While this is primarily related to the roles of local and national government, it will be a significant driver in local approaches to mitigation and adaptation measures in Clackmannanshire, including flood alleviation schemes, woodland creation and carbon management, which will influence Alliance partners' operations, policies and actions. The Climate Change (Scotland) Act places a duty on public bodies while exercising their functions to act in the way best calculated to contribute to climate change targets set by the Scottish Government and the Declaration offers a template for community partners to follow. The Council will report on the Declaration on an annual basis, and this will be taken forward through the Council's Sustainability and Climate Change Strategy.

# The Framework

## Our Vision

The EPT's vision for the Environment and Clackmannanshire is of:

// *A vibrant place to be, a place founded on a community spirit which builds the 21st century sustainably onto our heritage in a way that enhances our environmental assets, maximises our self-sufficiency and connects people to their natural and built surroundings. We see Clackmannanshire as a prosperous, attractive place, drawing its strength from the leadership of all our people in respecting the environment in which we live and for which we act as stewards.*

//

This is a wide vision to which local and national partners are already contributing through their normal activities. Community Planning has been put in place to deliver something extra - where genuine collaboration can make a real difference.

## Our Aims

The Framework has six central aims:

- care for the physical environment
- address climate change impacts
- use resources wisely
- manage waste
- enhance communications and access
- enlist everyone's help

## Our Principles

The Framework will be implemented in a way that is:

- challenging - seeking to change attitudes and lift ambitions, making demands of the partners as well as its beneficiaries;
- inclusive - the Framework is for all of Clackmannanshire, but environmental issues impact differently on specific places and communities;
- collaborative - with people working together to deliver for our customers, residents, businesses, investors and visitors; and
- sustainable - balancing economic, environmental and social concerns.





## Key Action Areas and Priorities for Action

The Framework should be something that we can continually review, as we debate what the next step should be. In order to take a long-term view, we will - over the next decade and beyond - focus our energies on four key action areas, each reflecting an important facet of the relationship between people, communities and the environment in Clackmannanshire.

The EPT recognises that not everything happens through the Clackmannanshire Alliance. There are many things which fall within the partners' statutory responsibilities; other things can best be discharged by a single partner. Even so, we cannot at once do all the things that would benefit from additional joint action. The EPT want to do things well, so at any one time the team will focus on a limited number of important initiatives ("Priorities") within the action areas, and deliver them effectively, rather than risk our efforts becoming too thinly spread over a large number of actions. Once our first batch is in the field, the EPT will move on to develop the next, and so the portfolio of actions will grow.

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The Key Action Areas and the Priorities for delivering them are listed below. Further detail on the Priorities and how we intend to take them forward is on page xx.

### Action Area 1: Living by Green

Focusing on people, institutions, communities and general life in Clackmannanshire. We will pursue initiatives that enable our environmental assets to feed into, and benefit from, community spirit and vibrant neighbourhoods which integrate town and country and that cherish local distinctiveness and facilities.

Priority 1: Eco-building demonstration

Priority 2: Food production

### Action Area 2: Building by Green

Focusing on the development and maintenance of a well-functioning and sustainable built environment and space which serves and sustains our communities. As we pursue physical enhancement, urban regeneration and local economic development, we will ensure an empathy between the built and natural environment, balancing new ventures with our history and heritage.

Priority 3: Town centre regeneration

### Action Area 3: Moving to Green

Focusing on effective, sustainable communications within Clackmannanshire and to the wider world in ways that protect the environment. We will be looking to sustainable modes of "green" transport, to improvements in our public transport systems and infrastructure, and to an integrated network, as well as promoting local production and consumption in order to reduce food miles.

Priority 4: Sustainable transport improvements

### Action Area 4: Caring for Green

Focusing on the relationship between people and the natural environment. We can do more to safeguard and enhance our heritage and biodiversity, manage open space, waterways and woodlands, promote renewable energy and put in place "zero waste" processes.

Priority 5: Communities and their environment

Priority 6: Education and awareness-raising

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## Delivering the Framework

Delivery of the Framework can only be achieved by effective partnership working between agencies, and with communities, within Clackmannanshire and across administrative boundaries. With the new Framework in place, the EPT will promote the environment as a key theme of the Clackmannanshire Alliance and:

- **Progress the agreed priorities.** Each Priority will need to pass through a Research and Planning Phase. Short-life task groups drawing on appropriate skills and knowledge, and including the other Alliance Partnership Teams, will be charged with identifying the scope for the EPT to add value. If there is scope, the Task Group will devise an action plan, negotiating for resources and operational responsibilities as needed. The Plan will be discussed by the EPT and the Alliance before going through the normal approval processes. The EPT will make regular reports to the Alliance on progress on the Priority Actions.
- **Scan for further actions** that meet our criteria. As Priorities move to implementation, the EPT will look for other possible actions. This will call for continual scanning for what is important for Clackmannanshire's environment in a changing world.
- **Review policy and practice** on an ongoing basis. The EPT will retain a more general responsibility, over and above working on the Priorities, to seek to integrate an environmental dimension into the widest possible range of policies and activities. The EPT will open dialogue with other strategies and engage with other partners to negotiate a mutually beneficial change of perspective that helps us all meet our aims and better discharge our responsibilities.

- **Monitor and evaluate the results of our efforts.** The EPT will link into and inform the wider monitoring and evaluation framework for the Community Planning Partnership, guided by the Clackmannanshire Alliance. As part of the planning process for Priorities, we have set targets and a monitoring schedule adopting measures which are clear, realistic and time-bound. The EPT will set a group of core measures which are transparent, understandable and significant to Clackmannanshire, enabling the Alliance to measure progress on Greening Clackmannanshire in a way that relates to the indicators contained in the National Performance Framework (see Changing Policy Context above).

This will cover:

<b>CO2 levels &amp; energy use</b>
reduce overall ecological footprint
<b>Waste</b>
reduce the amount of biodegradable waste sent to landfill by 2010 to 1.32 million tonnes
<b>Travel</b>
increase the proportion of journeys to work by public or active transport
<b>Biodiversity</b>
increase the biodiversity index of abundance of terrestrial breeding birds

## Priority Task Groups

For each Priority, EPT has assembled a short-life task group to:

- research the Priority, auditing existing activity, exploring good practice and identifying the scope for added-value;
- negotiate resources and operational responsibilities across the partnership;
- draw up an implementation plan, clearly identifying the beneficiaries, targets and so forth.

The implementation plan, once discussed by the EPT, will go to the Alliance Board for endorsement and then through the normal partner approval processes. Since it will have Alliance endorsement, there will be a presumption that the partners will focus on how best to make their contribution, rather than consider whether they should join in or not.

As a Priority moves from research into implementation, the EPT will loop back to consider its next Priority – thus building a group of initiatives over time. The actions listed below comprise our first batch; all are at the research and planning stage. Updates on progress will be posted on the Clackmannanshire Council website – [www.clacksweb.org.uk/community/clackmannanshirealliance/](http://www.clacksweb.org.uk/community/clackmannanshirealliance/) - and updates will be reported regularly to the Alliance Board and will be available in local libraries.

## Identifying Actions

We need robust criteria that we can use to sift possible actions. The criteria are detailed in two stages - assessing possible actions in terms of their environmental importance and their relevance to Community Planning. These criteria have already been used to identify the Priorities in this document, and will now be used to identify the actions to be taken:

**Stage 1 Environmental Significance** – each possible action is assessed against 'environmental' criteria: Living within Environmental Limits, ensuring a 'Strong Healthy and Just' Society, and Achieving a Sustainable Economy. The assessment considers whether the action is likely to have a beneficial, adverse or no impact on each of: biodiversity, flora and fauna; water and soil resources; climate factors; material assets; air; cultural heritage and landscape; population and human health; and contribution to sustainable economy.

**Stage 2** – Actions that score highly on environmental significance are then assessed against the 'community planning' criteria - whether the action is unique, strategic, able to deliver significant impacts, requiring multi-partner involvement, and something we are capable of delivering. A judgement is then taken on how many of the top scoring actions to take forward.



# Programme for Action

Priorities each relate to one of the Action Areas of Greening Clackmannanshire. Each Priority is described, as is what it seeks to achieve and the next steps, as well as how it intersects with the Community Plan's other themes. The EPT is presently progressing Communities and their environment and Education and awareness-raising. (Appendix A)

## The Green Package

Allied to the Priority Actions is the 'Green Package.' The package sets out actions which anyone can take to help reduce waste, become energy-efficient and tackle the pollution from travel. (Appendix B)

The EPT propose that all the Community Partnership member organisations will:

- commit to this package
- nominate an 'Environment Champion' within their organisation
- prepare an action plan setting out how their organisation will contribute to the package



# Action Area 1: Living by Green

## Priority One: Eco-building demonstration

**The Priority in context:** there are, across Scotland, examples of "green housing" or "energy homes": they focus in various ways on the application of renewable technologies to residential homes. We want to push this forward in Clackmannanshire. Eco-building should go beyond low-carbon, sustainable developments, to stimulate highly liveable environments... places where people can enjoy, a high quality of life, and a sense of neighbourliness and community. Work on the potential for eco-building projects in Clackmannanshire will include communities in the design process.

**Objectives:** our objectives are two-fold:

- firstly, the EPT wants to stimulate the technical aspects of eco-building – exposing the design issues and technological options and promoting advice services. The EPT will seek to engage with home-owners, businesses and institutions about how their existing property could become more environmentally-friendly; the Team will talk with the developers who are key to the next generations of new-build. This aspect is about housing design and build;
- secondly, the EPT wants to explore how communities function in an ecologically-sound fashion. This takes us beyond the physical design, into the ways individuals, families, households, neighbourhoods and communities operate and live within their physical environment.

**Outputs and process:** in the first instance, we are challenging ourselves, as a Partnership team, to deliver:

- a clear description of the key components of a contemporary eco-building development;
- a "manual" outlining the ingredients for developing the technical and community aspects of an eco-building community;
- recommendations on a pilot exemplar.

In pursuing these, our task group will assemble the necessary partners; refine the concept and objectives; identify the prime locations for a demonstration; and identify funding and other resources for implementation.

## Working with other Partnership Teams:

this action is very much led by the Environment Partnership Team, but secondary inputs will be required from each of the following Partnership Teams – Economic Development (eg to help extract the business benefits), Health Improvement (eg to ensure design for special groups and to build healthy living into 'the way communities work') and Community Safety (eg on design and management issues).

# Action Area 2: Building in Green

## Priority Two: Food production

**The Priority in context:** “you are what you eat” is an accepted precept. We are now embracing “you are where your food comes from”. Much of the food we eat is transported long distances from farm to our plate. “Food miles” is a measure of the distance our food has travelled: the greater the number of food miles, the more likely it is that our food has contributed to global warming. Food production and transport is the biggest single contributor to climate change; the Soil Association estimates that food transported by air generates 177 times more greenhouse gases than shipping. The EPT wishes to encourage a reduction in food miles and would support projects such as allotments.

**Objectives:** the objective is to reduce, for Clackmannanshire, the environmental damage caused through external sourcing and transport of food – to bring down our “food miles” bill. The Team wishes to encourage local food production and purchase, but ‘local’ is not restricted to Clackmannanshire.

**Outputs & process:** many communities across the UK have devised collective approaches to greener living: Clackmannanshire is going to explore its own potential. In the first instance, we expect the task group to use its expertise to review best practice; develop a promotional strategy focussed on the characteristics of different groups; review how best to reduce food miles; and draw up an implementation plan.

**Working with other Partnership Teams:** EPT anticipate critical inputs from Economic Development (this Priority has implications for business development in agriculture and food processing as well as for landscape management and visitor attraction) and Health Improvement (given the fact that health is closely related to diet).



## Priority Three: Town centre regeneration

This priority is initially being led by the Clackmannanshire Alliance managing the Imagine Alloa project in Alloa Town Centre. The project is being delivered with funding from the Scottish Government’s Town Centre Regeneration Fund with support from the Alliance, Alloa Town Centre BID and Clackmannanshire Council.

The EPT will investigate other possible project work which relates to this area of interest.





## Action Area 3: Moving to Green

### Priority Four: Sustainable transport improvements

**The Priority in context:** sustainable transport is fundamental to environmental well-being, and the Team are not starting from scratch. The Clackmannanshire partners have, over the last few years, pursued the re-introduction of passenger rail services to Alloa, worked with bus companies to improve local services and effected extensive improvements to cycle and pedestrian links across the County. The EPT intends to carry this track record forward.

There are considered to be four activity areas:

- improvements to public transport systems in order to encourage increased usage;
- more efficient use of road transport – e.g. car clubs, car pooling, community transport;
- promotion of active transport – e.g. walking & cycling;
- the issue of freight transport.

Consultation has already revealed potential for work on cycle-pedestrian links (e.g. upgrading the Devon Way from Alloa Station to Dollar) and the completion of the National Cycle Route through Clackmannanshire (ultimately a high-quality tarmac-surfaced link from Dunfermline to Stirling via Alloa); promoting cycling through training; the development of new bus services; and further extensions of rail systems.

**Objectives:** transport is the fastest-growing source of climate change gases; growth in road traffic in Clackmannanshire has been rapid in recent years as car ownership and use have mushroomed. Our aim is to shrink Clackmannanshire's carbon footprint. The Team will seek to reduce greenhouse gas emissions by promoting "green" travel and improving access to local facilities in order to reduce the need to travel further afield.

**Outputs & process:** we expect the Task Group to carry out an audit of current and planned initiatives and review best practice before drawing up a plan of action.

**Working with other Partnership Teams:** this is a wide-ranging Priority and it will call for collaboration with all of the other Partnership Teams, especially: Economic Development (in relation to the implications for enterprises and the freight issue); Community Health (active transport); and Community Safety (in relation to public and community transport). In addition, Greening Clackmannanshire includes the 'Green Package' and the EPT would hope that all Alliance partners will produce travel plans for their organisations.

## Action Area 4: Caring for Green

### Priority Five: Communities & Their Environment

**The Priority in context:** green spaces are essential places for people to relax, exercise, work and play, and to learn, discover and create. They provide sanctuaries for wildlife and biodiversity, with woodlands having an important role to play in addressing climate change and well-being issues, as well as enhancing the setting of our communities. They are the lungs of our communities. Clackmannanshire has begun preparing a Openspace Strategy and, through the Clackmannanshire Alliance, will find innovative ways of encouraging community involvement in its development. These will include methods such as green mapping, pioneered in the production of the Sauchie Green Map.

Initiatives will seek to focus initially on improving the quality of, and facilities available at, locations of particular value to local communities: early work has been carried out at Delph Pond and Woods and Cowpark Wood; and there have been countryside litter picks and rhododendron bashing at Alva Woodland Park. These actions were directly related to Clackmannanshire Local Biodiversity Plan, which is currently being revised. The Ochils Landscape Partnership is an important community bid for Heritage Lottery Funding. Further initiatives will be developed to encourage community involvement in the Woodlands In and Around Towns project and also Clackmannanshire's engagement with the Central Scotland Green Network.

**Objectives:** it is important that the creation, use and management of green and open space engages and involves local people. The Team want to develop mechanisms and processes through which public agencies can come together with neighbourhoods and communities so that we can all understand better:

- how those neighbourhoods and communities see their space and how they would like to use it;
- what all parties can do – in particular to care for and maintain their space.

**Outputs & process:** we expect the Task Group to carry out an audit of current and planned initiatives and review best practice before drawing up a plan of action.

**Working with other Partnership Teams:** while substantially an Environment matter, we expect the Priority to benefit from the inputs from the Community Safety, Community Health (e.g. green gyms), Children and Young People and Community Learning and Development Partnership Teams.



### Priority Six: Education & awareness-raising

**Objectives:** anyone and everyone can help with environmental issues: individuals, families and groups, employees and employers all have contributions to make. And all those contributions are needed. However, despite daily headlines, many people don't understand how important the environment is (not just for the planet but for our daily life); don't know the issues well enough; and don't appreciate what they might be able to do. This Priority aims to raise awareness and deepen understanding, with a view to engaging the active support of more people.

**Outputs & Process:** the Task Group will embark on wide-ranging consultation with a view to:

- identifying the key target groups;
- devising appropriate techniques and materials for working with those target groups;
- identifying and drawing together the major stakeholders;
- designing a programme of action that dovetails with the activities of the other Partnership Teams.

**Working with other Partnership Teams:** this is likely to go beyond the Environment into a multi-Team approach. We expect that each of the Partnership Teams will, to some degree, be active in awareness-raising. The scope for collaboration will likely be influenced by the needs of specific target groups and by the intensity of approach. For example:

- an introduction for employers to the breadth of the Community Plan would require collaboration across all the Partnership Teams;
- the injection of more intensive environmental education (projects, forest schools etc) into a week or term of school-work would involve the Environment, Children and Young People, and the Community Learning and Development Partnership Teams

Other Partnership Teams will be designing their own schedules; the trick, across the Teams, will be to co-ordinate activity.



## The Green Package

Everyone and anyone can contribute to the vision we have laid out for Clackmannanshire.

### Waste

**Targets:** are drawn from the Scotland's Zero Waste Plan :Consultation the key aims of which are to - Promote sustainable design - Prevent waste - High levels of recycling and composting - Seize economic ,environmental and job opportunities arising from Zero Waste - Reduce landfill to a minimum - Effective ,efficient and co-ordinated delivery. The Consultation sets the following targets for municipal waste

#### ■ Recycling

40%	2010
50%	2013
60%	2020
70%	2025

#### ■ Biodegradable waste

1.32 million tonnes	2010
880,000 tonnes	2013
620,000 tonnes	2020

#### ■ No more than 5% of Municipal waste to landfill by 2025 .

**Menu of actions:** examples of how to contribute to these targets include:

- implement a waste minimisation plan;
  - develop Sustainable Procurement Strategies
- apply the waste hierarchy ;
- streamline stationery ordering systems ;
- recycle paper and other recyclable materials;
- reuse paper;
- install vending machines that use china mugs rather than disposable cups;

### Energy

**Targets:** relate to the Energy Saving Trust's "Save Your 20%" campaign and the UK Government's target of reducing CO2 emissions by 20% below 1990 levels by 2010.

**Menu of actions:** examples of how to contribute to these targets include:

- introduce measures to reduce energy consumption;
- fit energy-saving light bulbs;
- use water hippos;
- use temperature control sensors for heating systems;
- reduce room temperature by one degree.

### Travel

**Targets:** are based on the Local Transport Strategy, in which the following modes of travel are targeted for 2010:

- walk – 12%
- car driver – 65%
- car passenger – 10%
- cycle – 1%
- bus – 8%
- rail – 2%
- other – 2%

**Menu of Actions:** examples of how to contribute to these targets include:

- apply the Energy Saving Trust's Green Fleet Review;
- develop a travel plan;
- sign up to Tripshareclacks.com - the car sharing website;
- develop schemes for working from home and flexible working