

Climate Change Strategy Implementation Plan

Progress Review – September 2010

and

Revised Implementation Plan 2011/12 to 2012/13

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Changes from September 2009 highlighted

Changes following public consultation

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1 Planning and Development

1.1 Issue

Over 50% of all CO2 emissions come from buildings.

Partners

- Architects and Designers
- Developers
- Residents
- Businesses

Action Plan - Planning and Development

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
1	Continue to develop the Local Development Framework (LDF) – providing overarching policies/strategies for the development of the borough, including how we will address the issues of climate change, mitigation and adaptation	<p>Consultation on the Core Strategy Preferred Options was undertaken in October 2008.</p> <p>The Core Strategy is programmed for submission to the Secretary of State in March 2010.</p> <p>Pre-submission publication of the Core Strategy has been delayed to allow for the preparation of a supporting delivery plan. Now programmed for October 2010</p>	<p>The Examination in Public of the Harrow Core Strategy is to take place in March 2011 with adoption in July 2011.</p> <p>Preparation will begin on the Development Management Policies DPD and Site Specific Allocations DPD</p>	<p>Following adoption of the Core Strategy, preparation will begin on the Development Management Policies DPD and Site Specific Allocations DPD.</p>	
2	In consultation with relevant parties, develop	The Sustainable Design SPD was	Introduce a council		

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and adopt a Sustainable Design Supplementary Planning document (SPD) to encourage designers to think about sustainability and climate change issues in compliance with the London Plan.

adopted by Cabinet on 18 June 2009
 Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards.

Website is yet to be developed.
 Development will proceed when resources are available.

tax "holiday" for first occupants of properties with a high code level under the Code for Sustainable Homes. i.e.

Code level 4 homes up to April 2013 - 100% rebate for first six months of occupation for first occupant.

Code level 6 homes up to April 2016 - 100% rebate for first twelve months of occupation for first occupant.

Delete policy

3	Ensure compliance with building regulations for new builds, extensions and alterations that are controlled by the Council e.g. replacement boilers; replacement windows; roof insulation and retiling; electric rewiring; installation of low energy bulbs and external lighting	Building Control ensuring compliance. Development Management to make applicant's aware of and apply the Sustainable Building Design SPD. Review of recommendations from Future of Building Control. Implementation of Sustainability Checklist as part of the validation process.			
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4	Work with Approved Inspectors and Self Certification schemes to promote the early adoption of higher environmental standards	<p>Review of in house skills and developers requirements underway to establish future development needs on delivery of sustainable technologies</p> <p>Explore creation of dedicated "expert" resource within BC to advise Dev Management on Sustainable construction and technologies and support developers</p>	Potential roll out of in house expert resource to promote mainstreaming of sustainable technology/climate change agenda		
5	Review options for enforcing Part L of the Building Regulations (Conservation of Fuel and Power), Schedule 1 of the Building Regulations 2000	<p>Review of in house skills and developers requirements underway to establish future development needs on delivery of sustainable technologies</p> <p>Implementation of Sustainability Checklist as part of the validation process.</p>			

6 Develop a Section 106 SPD which seeks to encourage/promote sustainable best practice and contributes to an education fund to promote sustainable development issues to the general public.

This document has been approved by the LDF Panel for public consultation and is expected to be adopted later this year.

Changes in Regulations governing planning obligations has rendered the SPD

Work has begun on preparing the Delivery Plan, which will form the basis for work on a charging schedule required to implement a Community Infrastructure Levy

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obsolete

An Infrastructure Delivery Plan will be prepared to co-ordinate investment of S106 receipts and other funding in infrastructure

in the Borough.

However, further changes are expected to the regulations, the implications of which will need to be kept under review

- 7 Promote and educate residents and builders about of good practice on sustainability and climate change.

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards.

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2 Domestic Energy

2.1 Issue

This section deals with energy use in residential property within the borough.

The domestic sector accounts for 38% of energy consumption in London*. This is used for space heating/cooling (54%); hot water (18%); appliances (18%); lighting (5%) and cooking (3%). The Mayor of London's Climate Change Action Plan envisages the domestic sector contributing 39% of the 2025 carbon reduction targets.

Partners

Architects and Designers
Developers
Residents
GLA/LDA
Energy companies

2.3 What we will do

The following table shows the improvements we believe will need to be made over time:

Sector	% of housing stock	Average SAP rating		
		Current	2015 target	2020 target
Owner occupier	77	49	69 solid walls	91
Council owned	6	64	83 cavity walls	
Private renting	12	49		
Housing	4.4	n/a		

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Association
Other 0.6 n/a

The above table assumes, as a minimum: -

- All lofts to be insulated by 2015
- All central heating systems to be equipped with condensing or micro CHP boilers, programmer and thermostatic radiator valves (TRVs) by 2015
- All cavity walls will be insulated by 2015
- All solid walls to be insulated by 2020 (mainly by internally dry-lining but with some exterior insulation where appropriate)
- All windows to be double-glazed by 2020. All new windows to be Class A double-glazed as a minimum.

Action Plan - Domestic Energy

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
8	Encouraging all landlord/homeowners in the borough to install loft insulation to modern standards by 2015	<p>CERT scheme provides to residents free or discounted loft insulation</p> <p>DIY Planet (Mayor for London scheme) provides loft insulation materials</p> <p>Delivery strategy to be developed by April 2010, in conjunction with energy companies and the government to ensure that all housing is brought up to standard.</p> <p>Publication of Warm</p>	<p>Delivery strategy being developed as part of HSP Affordable Warmth/Fuel Poverty Strategy</p> <p>Introduce a council tax rebate scheme for homes with EPC ratings of A or B.</p> <p>Annual rebate of £50 for homes with an EPC rating of A.</p> <p>Annual rebate of £25 for homes with an</p>	<p>Affordable Warmth/Fuel Poverty Strategy to be adopted by October 2011</p>	<p>Formatted: Not Highlight</p> <p>Deleted: To be adopted by April 2011†</p> <p>Deleted: A</p> <p>Deleted: 20010</p> <p>Deleted: 11</p>

9	Encouraging all landlord/homeowners in the borough with property with cavity walls to install cavity wall insulation by 2015	Homes: Greener Homes by DECC setting out government's strategy in Feb 2010. Development of council's strategy delayed	CERT scheme provides to residents free or discounted cavity wall insulation Currently Capacity issues with installers Strategy to be developed by April 2010, in conjunction with energy companies and the government to ensure that all housing is brought up to standard.	EPC rating of B- Delete policy	Delivery strategy being developed as part of HSP Affordable Warmth/Fuel Poverty Strategy	<u>Affordable Warmth/Fuel Poverty Strategy to be adopted by October 2011</u>
		Publication of Warm homes: Greener Homes by DECC setting out government's strategy in Feb 2010. Development of strategy delayed		Introduce a council tax rebate scheme for homes with EPC ratings of A or B. Annual rebate of £50 for homes with an EPC rating of A. Annual rebate of £25 for homes with an EPC rating of B- Delete policy		
10	Provide technical and practical advice		Go Green helpline provides advice to	Website to be	<u>During 2011/12</u>	

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(directly and via the Council's website) to builders, decorators and landlords/homeowners on options for installing insulation in houses that have solid walls.

residents
Basic advice on grants available on the Council's website.

developed to provide Best Practice advice for householders and developers on how to meet these standards

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Providing advice to residents on how to reduce energy consumption in the home.

Go Green helpline provides advice to residents
Basic advice on grants available on the Council's website.

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards

During 2011/12

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Providing advice and grants to landlords and homeowners on opportunities for installing solar panels, heat pumps, wind turbines etc.

Go Green helpline provides advice to residents
Basic advice on grants available on the Council's website.

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards

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Complete the fuel poverty Strategy

Develop draft strategy
Development of strategy delayed

Adopt Fuel Poverty Strategy
Delivery strategy being developed as part of HSP Affordable Warmth/Fuel Poverty Strategy

Affordable Warmth/Fuel Poverty Strategy to be adopted by October 2011

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Appendix **B**

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14 Promotion and education

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards

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3 Transport

3.1 Issue

Emissions from transport accounts for 22% of all carbon emissions in London - excluding aviation and shipping, This is from the following sources: - cars and motorcycles (49%); road freight (23%); ground-based aviation – taxiing etc. (11%); and the remainder is from public transport (trains, the underground, buses and taxis etc. – approx. 4% each).

Partners

Transport for London –
Residents
Businesses
Schools

Action Plan - Transport

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
15	<u>Prepare Harrow Transport Local Implementation Plan (LIP) for Mayoral approval. This contains the future programme for the following years as outlined below.</u>	<u>Discussions with TfL on LIP guidelines.</u> <u>Document preparation started</u>	<u>LIP guidelines issued.</u> <u>LIP public consultation to ensure proposals are supported by public</u>	<u>Receive TfL approval and full Council to adopt Transport LIP.</u>	
15A	Promote growth and new development through the LDF, in locations well serviced by existing public transport facilities. In locations not well served by public transport, development densities are to reflect this and measures sought through planning obligations, where appropriate, to seek improvements in sustainable transport provision serving the	Consultation on the Core Strategy Preferred Options was undertaken in October 2008. The Core Strategy is programmed for submission to the Secretary of State in	Pre-submission on the Harrow core strategy in October 2010 followed by Examination in Public in March 2011. Preparation will begin on the	Adoption of the Harrow Core Strategy..	

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development site.

March 2010.

Pre-submission publication of the Core Strategy has been delayed to allow for the preparation of a supporting delivery plan. Now programmed for October 2010

Development Management Policies DPD and Site Specific Allocations DPD

16 Change the public's behaviour by encouraging walking and cycling or the use of public transport will be an important priority.

Travel Plans for certain types of developments are a requirement of the London Plan

Help schools develop travel plans; carry out sustainable transport promotional activities ; provide theatre education in schools highlighting issues regarding health and the environment; provide cycle training for adults and school children; run bike week events; encourage school walking buses; encourage walk once a week to school participation; environmental newsletter *It's Up To All of Us* sent out; websites providing more information; encourage active travel through leading

Help schools revise travel plans and achieve accreditation status; carry out sustainable transport promotional events and activities ; provide theatre education in schools highlighting issues regarding health and the environment; provide cycle training for adults and school children; run bike week events; encourage school walking buses; encourage walk once a week to school participation; environmental newsletter *It's Up To All of Us* sent out; websites providing

Strengthen Travel Plan policy requirements in the Harrow Development Management DPD

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	<p>on initiatives in conjunction with Harrow NHS.</p> <p>New website targeting businesses in Harrow as well as walking and cycling groups to encourage setting goals and logging miles/steps</p> <p>Campaign website to have more interactive and multimedia content</p>	<p>more information; encourage active travel through leading on initiatives in conjunction with Harrow NHS.</p> <p>Campaign website to have more interactive and multimedia content</p> <p>Develop social media interaction and customer engagement</p>	
17	<p>Support bus priority measures, and promote cycling and walking initiatives.</p>	<p>Continue to extend cycle lane provision; improve the walking environment and introduce bus priority measures; provide cycle training for school children and adults; encourage school walking buses; implement school travel plans; encourage participation in walking once a week to school; provide ongoing walking and cycling incentives and initiatives alongside national schemes such as Walking Works and</p>	<p>Continue to extend cycle lane provision and cycling on greenways; improve the walking environment and introduce bus priority measures; provide cycle training for school children and adults; encourage school walking buses; implement school travel plans; encourage participation in walking once a week to school; provide ongoing walking and</p>

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18	Encourage school and workplace travel planning.	<p>Bike Week</p> <p>Will continue to maximise these activities based on available funding</p> <p>78 schools currently have a school travel plan. 100% of schools to have travel plan by Dec 2009.</p> <p>Review and implement school travel plans on an annual basis</p> <p>Workplace travel planning is currently promoted in conjunction with TfL's Enterprise and Corporate schemes.</p> <p>10 businesses are currently in various stages of workplace travel plans</p> <p>Increased numbers of businesses with workplace travel plans</p>	<p>cycling incentives and initiatives alongside national schemes such as Walking Works and Bike Week</p> <p>Will continue to maximise these activities based on available funding</p> <hr/> <p>96% of all schools have a travel plan.</p> <p>24 schools have accredited school travel plans</p> <p>Work with NHS to ensure quality travel plans are rolled out at their various sites in Harrow</p>
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19 As Resident Controlled Parking schemes are extended, parking permits for second and subsequent cars will continue to attract a premium. Free vehicle parking permits will continue to be available for environmentally friendly vehicles.

There are currently 19 controlled parking zones in the borough covering around 15% of the entire borough.

Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles

There are currently 22 controlled parking zones in the borough covering around 17% of the entire borough.

Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles

20	Report the Town and Country Planning General Permitted Development Order (October 2008) requirement that front garden hard standing be subject to planning permission.	Legislation has been enacted and will be enforced by Development Management Engage with GLA on the development of parking policy in the London Plan.		Parking policies and requirements for permeable surfaces for parking areas to be addressed in the Harrow Development Management DPD	
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21 Investigate how to support the provision and expansion of car clubs.

Early discussion with multiple operators regarding possible suitable locations for car clubs and the benefits of cleaner fuelled vehicles

Agree locations for car clubs.

Consider car clubs as part of new controlled

Introduce car clubs and promote car clubs in CPZ areas.

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parking zones and controlled parking zones reviews and extensions

22	Promote the provision of electric vehicle charging points.	<p>Considering suitable locations in the town centre</p> <p>Charging points to be considered in new controlled parking zones and in controlled parking zones reviews and extensions.</p> <p>Input into London Plan on policy for electric vehicles</p> <p>We will also consider what are the suitable locations in council-operated/provided car-parks for charging points</p>	<p>Install charging points in identified locations including council operated/provided car-parks</p> <p>Have signed up to London Electric Vehicle Partnership and will be promoting their pan-London scheme</p>	<p>Continue Installation of charging points in identified locations including council operated/provided car-parks</p> <p>Implement planning policy on car parking standards (likely to include policy for electric vehicles and requirements for charging points) within new developments</p>	
23	Promote travel planning through the planning process	<p>See 18 above.</p> <p>Planners undergoing training on new travel planning guidance</p>			
24	Promotion and education	<p>Sustainable travel promotional events take place throughout the year. School travel plans also addresses promotion of sustainable transport in schools; Provide theatre education in schools highlighting issues regarding health</p>	<p>Website to be developed to provide Best Practice advice for householders</p>		

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4 Water and Flooding

4.1 Issue

Climate change is expected to lead to two problems with water supply – periods of drought; and periods of heavy rainfall. Coupled with an anticipated growth in population and the number of households, there is likely to be pressure on the availability of water resources and more incidents of flooding.

Daily water consumption per head is relatively high in Harrow at 170 litres/head of population (cf. the national average of 150 litres/head).

Provision for reduced water consumption will be made progressively for new housing under planning and building regulations but, as with energy use, bringing down consumption in the existing housing stock will prove to be more difficult.

Partners:

- Three Valleys Water – water supply
- Thames Water – sewerage network and sewage treatment
- Environment Agency
- Mayor of London – e.g. Drain London project.
- Architects and Designers
- Developers
- Residents
- Businesses

Action Plan - Water and Flooding

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
25	The Sustainable Design SPD encourages new developments to:- a) reduce water consumption per head of population; b) increase the use of water harvesting to	The Sustainable Design SPD was adopted by Cabinet on 18 June 2009			

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- increase storage capacity for rainfall and reduce the use of potable water; and
- c) include Sustainable Urban Drainage Schemes (SUDS) to control surface water run-off
- d) ensure that new developments will not adversely affect the sewer system via controlled discharge, SUDS etc.

26 The Sustainable Design SPD will also address the problem of impermeable paving being used in front gardens. A new policy will now require that a minimum of one third of front gardens adapted for hard-standing must be permeable.

The Sustainable Design SPD was adopted by Cabinet on 18 June 2009

27	Consult with the Environment Agency on any proposed developments within or near to flood plains.	This is already a statutory requirement and is undertaken as part of the planning process Engage with EA on emerging catchment management plans and climate change strategy having regard to SFRA and potential Water Cycle Study	Stage 2 SFRA commissioned and signed-off in September 2010			Formatted: Centered Formatted Table
28	Ensure that new development and the allocation of land uses through the LDF has regard to the findings of the Strategic Flood Risk Assessment (SFRA) and the need to manage potential flood risk in line with national guidance in PPS25 through requirements such as the implementation of	Consultation on the Core Strategy Preferred Options was undertaken in October 2008. The Core Strategy is programmed for submission to the	Pre-submission on the Harrow core strategy in October 2010 followed by Examination in Public in March 2011. Preparation will begin	Adoption of the Harrow Core Strategy,		Formatted: Centered Deleted: A Deleted: 20010 Deleted: 11

	<p>Sustainable Urban Drainage Systems on all new development.</p>	<p>Secretary of State in March 2010.</p> <p>Pre-submission publication of the Core Strategy has been delayed to allow for the preparation of a supporting delivery plan. Now programmed for October 2010</p> <p>In determining the preferred option for growth and development within Harrow, regard will be given to existing flood zones and flood mitigation measures.</p>	<p>on the Development Management Policies DPD and Site Specific Allocations DPD</p>		
<p>29</p>	<p>Implement a Surface Water Management Plan (SWMP) from the Flood & Water Bill.</p>	<p>The Strategic Flood Risk Assessment has recently been completed and identifies potential areas of surface water flooding and recommendations as to its management.</p> <p>A draft SWMP will be prepared as part of the on-going evidence base supporting the LDF</p>	<p>The adoption of an SWMP will also include an action plan to be progressed by Council and its partners</p> <p>Preparation will begin on the Development Management Policies DPD that will reinforce requirements to address surface water flooding - such as permeable surfaces and SUDS.</p>	<p>Following adoption of the Core Strategy, preparation will begin on the Development Management Policies DPD, that will reinforce requirements to address surface water flooding such as permeable surfaces and SUDS.</p>	

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30 Encourage the public to install water meters to promote awareness of water usage and encourage minimisation.

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards

During 2011/12

31 Promotion and education to builders, and the general public, via seminars and the website etc. of best practice in respect of reducing water consumption (e.g. dual flush toilets, low-flow showers and taps etc.) and the harvesting of rain and grey water

Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards

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5 Waste

5.1 Issue

The collection and disposal of waste has been a growing problem over the last few decades with volumes of waste growing and relatively poor recycling performance in the UK. A large proportion of municipal waste has traditionally been land-filled and this has resulted in the production of significant volumes of methane from landfill sites.

In recent years the European Landfill Directive and national legislation and regulations have resulted in a significant increase in recycling and composting and a corresponding decrease in the amount of waste being land-filled. By 2020, the amount of biodegradable municipal waste being land-filled by Councils must reduce to 35% of the tonnage recorded in 1995. This is expected to largely deal with the problem of methane emissions.

The Government published a new national waste Strategy (WS2007) in 2007 with a significant change of emphasis towards resource management and climate change effects.

Regional policy is the responsibility of the Mayor for London and delivered via the London Plan and the Municipal Waste Management Strategy.

In Harrow we have increased the amount we recycle and compost very significantly in recent years and achieved a rate of 43% in 2008/9 (the second highest rate in London). As part of the Local Area Agreement we aim to reach 50% in 2010/11.

Responsibility for waste disposal of municipal waste resides with the West London Waste Authority (WLWA) (which serves six Councils in west London – Brent, Ealing, Harrow, Hillingdon, Hounslow and Richmond). A joint waste Strategy was agreed in 2006 which is intended to meet the requirements of the Landfill Directive and the Waste and Emissions Trading (WET) Act. This is currently being reviewed. It is anticipated that the revised Strategy will: - place greater emphasis on recycling and composting; recognise the contribution to reducing carbon emissions that energy from waste facilities can make; and reduce the amount of waste sent to landfill.

Partners

WLWA

GLA

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Action Plan - Waste

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
32	Publish a revised waste management Strategy for the borough to increase further the amount of municipal waste we recycle and compost – to 50% by 2010/11.	The revised Waste Management Strategy is considered elsewhere on this agenda New Strategy was adopted in September 2009	See below for improvements beyond 50%.	Flats recycling scheme, funded by LWARB, to provide recycling facilities to remaining 8000 flats (not currently served by the scheme)	
32A	<u>Publish a municipal Waste Prevention Strategy for West London.</u>		<u>Funding provided by WLWA to employ waste minimisation officer and develop waste minimisation initiatives</u>	<u>Strategy to be adopted by WLWA (June 2011)</u> <u>Harrow to develop local implementation plan</u>	Formatted: Not Highlight
32B	<u>Transfer of civic amenity site provision from Boroughs to WLWA following repeal of Section 1 of the Refuse Disposal Amenity Act</u>		<u>Defra consultation on proposal to repeal RDA.</u>	<u>Joint review of civic amenity site provision in West London. Report to WLWA Board in June 2011</u>	Formatted: Not Highlight
33	Work with WLWA and the other five constituent authorities to procure alternatives to the use of landfill for the disposal of residual waste. To ensure that the Strategy maximises the opportunities for the production of renewable energy and that any process has a minimum energy efficiency of 65%.	A review of the joint Waste Strategy is underway. A report on WLWA's proposals for the joint waste strategy is considered elsewhere on this agenda. Development work on joint strategy has	Develop joint Strategy with WLWA. WLWA anticipates agreement of joint strategy and ratification by constituent authorities by April	Develop joint Strategy with WLWA Procurement of waste treatment capacity to replace landfill	Deleted: A Deleted: 20010 Deleted: 11

34	Work with WLWA to source a local Anaerobic Digestion (AD) plant for the processing of food waste.	continued	2011	Develop as part of joint Strategy with WLWA having regard to the emerging WLWP
		As part of the review of the Joint waste Strategy WLWA and the other five authorities are investigating this option.		
		Potential additional collection cost of £50,000 – partly offset by reduced landfill costs		
		Work continuing with LWaRB for development of AD plant in West London		
35	Produce a joint waste DPD, the West London Waste Plan (WLWP) with five other West London boroughs to identify sites for the treatment of waste within the west London area in accordance with the London Plan.	A consultation of the Issues and options has been completed.	Final submission document agreed and sent to the Secretary of State	Joint Waste DPD adopted
		Work is proceeding on the submission draft, which is expected to go out for further consultation in November 2009.	Further consultation due in the new year on identifying suitable sites	
		Revised waste apportionment figures issued by GLA		
		Consultation on joint waste DPD is still in		

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progress.

36	Ensure that development sites produce Site Waste Management Plans to deal with the waste generated.	<p>Continue to apply London Plan policy, where applicable, and review of validation requirements to implement the guidance of the Sustainable Building Design SPD, which includes guidance for WMP).</p> <p>Marketing and awareness of the Sustainable Building Design SPD</p> <p>Internal training undertaken with Development Management.</p> <p>Website to be developed when resources available</p>	Commence preparation of the Harrow Development Management DPD		
37	Promotion and education		Website to be developed	During 2011/12	

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6 Biodiversity and the Natural Environment

6.1 Issue

Climate change means that the seasonal weather patterns we are familiar with are changing. It is difficult to predict precisely what these changes will be but it seems clear that we will experience milder winters, earlier springs and warmer summers. Periods of drought or low rainfall will become more frequent as will instances of heavy, prolonged rainfall. There is also a significant danger that storms will become more frequent and of higher intensity. All this will have an effect on the natural environment and biodiversity.

Trees in the urban environment have the potential to reduce the heat island effect by providing shade and cooling. However the management of such trees needs to be carefully considered to ensure that they can survive in the sort of conditions that will exist.

Of particular concern in Harrow is the age of the current tree stock, much of which is coming to the end of its natural life and requires replacement.

The maintenance of trees is another issue. Proper cyclical maintenance helps to ensure the safety of the public and to prevent root damage to adjacent buildings.

Production of wood chip from our tree maintenance operations is also a potential source of renewable energy.

Action Plan - Biodiversity and the Natural Environment

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
38	We have adopted a Biodiversity Action Plan, which we will review periodically to ensure that it responds to the changing climate.	<p>BAP has been adopted.</p> <p>10 site management plans are in place – out of 30 sites in total.</p> <p>Number of site management plans increased to 14.</p> <p>New BAP officer has</p>	<p>Review effectiveness of BAP. BAP is constantly reviewed</p> <p>Increase number of site management plans to 20.</p>	<p>Continue to review effectiveness of BAP.</p>	<p>Formal review of BAP</p>

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<p>39 Publish an Allotment Strategy that addresses climate change and encourages allotment holders to adopt practices that encourage biodiversity (as part of the LDF).</p>	<p>been recruited Allotment Strategy has been adopted. Allotments Strategy SPD to be developed</p>	<p>Awaiting findings of the PPG17 Review and the preparation of an Open space Strategy that will address allotments and determine the need for an SPD.</p>	<p>Open Spaces Strategy to be adopted.</p>
<p>40 Publish a tree Strategy that addresses climate change in terms of identifying species of tree that will be able to survive in the changing climate, ensuring that the number of trees helps to reduce the heat island effect, and that considers how tree waste can be used to help deliver a sustainable energy programme (as part of the LDF).</p>	<p>Draft tree Strategy has been published for consultation Tree Strategy SPD to be developed - deferred SPD likely to be superseded by proposals for a Harrow Green Grid.</p>	<p>Prepare Open Spaces Strategy Harrow Green Grid to be prepared Draft Tree Strategy being reviewed in line with the Mayor's Tree strategy and GLA guidance</p>	<p>Review Allotment Rules. Harrow Green Grid and implementation plan to be adopted. Adopt Tree Strategy</p>
<p>41 Ensure that parks and open spaces have wild areas with reduced maintenance regimes to promote biodiversity (and reduce the carbon impact of maintenance functions)</p>	<p>The Council has 303 hectares of Green Belt land which is managed to promote biodiversity. Three parks have been awarded Green Park status and incorporate reduced maintenance areas.</p>	<p>Open Spaces Strategy to be prepared. One additional park to achieve Green flag status – including reduced maintenance area. Deferred New maintenance regimes introduced in Stanmore</p>	<p>Open Spaces Strategy to be adopted. Three additional parks to achieve Green flag status – including reduced maintenance area. - Deferred <u>We will consider applying for more Green Flag parks</u></p>

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42	Consider establishing Environment/Information centres in Green Belt areas.	Marshes and West Harrow Rec – to improve biodiversity. Delete policy	such as Pinner memorial Park subject to resources.
43	Reduce the number of sites with seasonal bedding displays and replace with herbaceous planting that require less water, material and energy inputs and reduce transport impacts.	All major public realm bedding displays have been replaced with perennial planting or shrub beds. Some areas have been returned to grass where appropriate.	A limited number of areas have been planted with bedding plants
44	Review hanging basket provision (for similar reasons).	Hanging baskets have been installed in the town centre Review to take place in conjunction with Town Centre design guide SPD	Town Centre SPD no longer being prepared in preference to bringing forward an Area Action Plan for the Heart of Harrow. All hanging basket provision has been removed
45	Ensure that all street refurbishment schemes include the provision of tree pits, where possible.	Tree pit provision is not included in street refurbishment schemes as a matter of course. It relies on separate funding by the tree service. The provision of tree pits to be included in all street refurbishments as part of the costs to be met by Public Realm Infrastructure – unless provision of such pits	

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<p>46 Aim to increase the tree planting programme to plant 2000 trees each year</p>	<p>is considered to be inappropriate by the Tree Officer.</p> <p>Current funding allows the replacement of 1000 trees a year, Bid for increased budget in MTFS.</p>	<p>Plant 2000 trees each year. Approx 1000 trees expected to be planted – due to limited resources</p> <p>Harrow Green Grid to be prepared.</p>	<p>Plant 2000 trees each year – subject to funding</p>	<p>Plant 2000 trees – subject to funding</p>
<p>47 Improve the maintenance of trees to mitigate the negative impact of stronger winds etc. and extend the life of the existing tree stock.</p>	<p>The Council can currently only react to complaints and events.</p> <p>Cyclical maintenance on a four year cycle would allow trees to be better maintained and would lead to a reduction in insurance claims for root damage, which currently cost the Council an estimated £500k per year.</p> <p>Cyclical maintenance would cost approx. £300k per year.</p> <p>Agree to introduce cyclical maintenance of trees as a Council policy</p> <p>Tree condition survey of all trees in the borough has been</p>	<p>Incorporate additional £150k into budget for 2011/12 to undertake backlog of work prior to implementation of cyclical maintenance programme</p> <p>Not implemented.</p>	<p>Introduce cyclical maintenance of trees from April 2011 over a two year period. .</p>	<p>Incorporate additional £150k into budget for 2012/13</p> <p>Defer until funding becomes available</p>

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<p>48 Encourage residents and businesses to maintain gardens and planted areas in a manner that encourages wildlife</p>	<p>completed. Adopt a bed scheme has been introduced.</p>	<p>Develop website By April 2011</p>	<p></p>
<p>49 Ensure that Biodiversity is considered as part of the planning process through the Core Strategy objectives and policies aimed at maintaining and, where possible, enhancing the Borough's biodiversity offer. The Core Strategy will be supported by more detailed development control policies aimed at managing backland development and implementing the objectives and actions of the Harrow Biodiversity Action Plan.</p>	<p>Consultation on the Core Strategy Preferred Options was undertaken in October 2008. The Core Strategy is programmed for submission to the Secretary of State in March 2010. Pre-submission publication of the Core Strategy has been delayed to allow for the preparation of a supporting delivery plan. Now programmed for October 2010 Improvements to Belmont trail walking and cycling access taking place in a manner sympathetic to the local environment and biodiversity. Belmont trail nature trail to be developed as part of general improvement to trail.</p>	<p>Pre-submission on the Harrow core strategy in October 2010 followed by Examination in Public in March 2011. Preparation will begin on the Development Management Policies DPD and Site Specific Allocations DPD</p>	<p>Adoption of the Harrow Core Strategy.</p>
<p>50 Where appropriate, use Section 106</p>	<p>Draft Planning</p>	<p>Work has begun on</p>	<p></p>

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Agreements to support the management of areas of important biodiversity

Obligations SPD has been approved for public consultation

Changes in regulations governing planning obligations has rendered the SPD obsolete.

preparing the Delivery Plan, which will form the basis for work on a charging schedule required to implement a Community Infrastructure Levy in the Borough.

However, further changes are expected to the regulations, the implications of which will need to be kept under review

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7 Food, Fair Trade and Sustainable Shopping

7.1 Issue

Agriculture and food production is an issue of growing concern in the climate change debate. Current intensive farming methods are oil dependant and produce a high carbon footprint associated with the use artificial fertilisers and the fuel used in production and transport.

Cotton growing accounts for 50% of the worldwide use of pesticides.

DEFRA data for 2006 showed that the UK was only 58% self-sufficient in food, with 90% of all fruit and 50% of all vegetables being imported. The carbon foot print from sourcing produce from other countries is high and is expected to rise in the future.

WRAP (Waste Resources Action Programme) reports that the average family wastes 22% of the food it buys. On a global this wasted food represents an un-necessary carbon footprint of 20 million tonnes p.a. AND 6.2 billion cu.m of water is used to produce it. This wasted food is estimated to cost the average family £600 a year.

The diversion of food production into bio-fuels is one of the factors driving the destruction of rain forests and rising food prices.

The livestock industry produces a mix of greenhouses gas, especially methane. In 2006 the United Nations Food and Agricultural Organisation reported that emissions from livestock accounted for 18% of the human impact on the climate. One of the driving forces behind for clearance of rainforests has been to increase the production of crops for animal feed.

The UK Climate Impacts programme predicts that the average temperatures in the South East could rise by up to 5°C by 2050. This would effect the operation of the agricultural industry, as it would mean that certain crops will have longer seasons, but it would also affect what crops would survive and raises issues as to how we will sustain them with increased pressures on water resources. Today, two-thirds of water abstracted from the environment is used to irrigate crops. Higher temperatures will also increase threats from pests and disease.

Seasonal, locally produced food, organic and (to some extent) fair-trade produce have lower carbon foot prints and could help to reduce carbon emissions from food production.

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Action Plan - Food, Fair Trade and Sustainable Shopping

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
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51	Provide educational materials for residents on the benefits of buying local sourced produce		Develop website	<u>During 2011/12</u>	
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52	Support and promote farmers market.	Pinner Farmers market has been the only one in the borough over the last few years. Duck Pond Market at Tithe Barn was launched in June 2009			
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53	Provide educational materials for residents on how to grow their own vegetables		Develop website	<u>During 2011/12</u>	
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Deleted: By April 2011

54	Promote the use of allotments and gardens for growing food.	Include in development of Allotments SPD? Awaiting findings of the PPG17 Review and the preparation of an Open Space Strategy that will address allotments and determine the need for an SPD	Review allotment charges? Open Spaces Strategy to be prepared. Take-up of allotments has improved. Occupancy rate is now 98%. Current	<u>Open Spaces Strategy to be adopted</u>	
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55	Encourage people to shop locally.	waiting list is 300.	Develop website	<u>During 2011/12</u>	Deleted: By April 2011
56	Promote the use of local delivery schemes from farmers in the South East region.	Harrow resident discount card announced.	Develop website	<u>During 2011/12</u>	Deleted: By April 2011
57	Promote purchasing organic produce, which usually yields a lower carbon foot print		Develop website	<u>During 2011/12</u>	Deleted: By April 2011
58	Establish Harrow as a fair trade borough.	Catering service currently provides fair trade tea and coffee Decision to become a Fair trade Council Decision was deferred.	Decision on becoming a Fair Trade Borough	Status as a Fair Trade Borough confirmed.	
59	Support schools and local community groups in encouraging them to grow their own crops, and to help them access funding such as the www.localfoodgrants.org		Develop website	<u>During 2011/12</u>	Deleted: By April 2011
60	Promote the use of using re-useable bags when shopping, and encourage local business to cut down on the amount of carrier bags they use.		Develop website	<u>During 2011/12</u>	Deleted: By April 2011
61	Promote the use of purchasing goods that can be re-filled and reused, and encourage businesses to use less packaging		Develop website	<u>During 2011/12</u>	Deleted: By April 2011 Deleted: A Deleted: 20010 Deleted: 11

8 Businesses and the Public Sector

8.1 Issue

The commercial and public sector account for 33% of the total emissions in London, with the industrial sector accounting for an additional 7%. The Mayor's Climate Change Action Plan identifies 39% of the carbon savings needed to meet the 2025 London target can be met by reductions in this sector.

Partners

The Council already has contacts with the business community, i.e.

- Large Employer Network (LEN). i.e. major employers in the borough.
- Harrow in Business (HIB). Holds four meetings a year with the Council. The meetings provide a route for discussions with SMEs. On average about 60 people attend each meeting.
- Business Improvement District (BID) for the town centre.

Sustainability issues have also been addressed in the "Enterprising Harrow" Strategy.

Action Plan - Businesses and the Public Sector

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
62	Provide businesses with recycling services via our trade waste service	<p>Recycling for mixed recyclable waste has been available to trade customers since April 2005</p> <p>The Council's invoicing system is being upgraded as part of a larger programme to improve the management and monitoring of data within the waste management service.</p>	<p>The trade waste service will be reviewed to identify the potential to extend recycling services to more businesses in the borough.</p> <p>This may include the provision of a food waste collection service to feed into the proposed AD</p>		

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		Collection of trade waste will be recorded via an RFID system, which will enable the exact time and location to be recorded.	plant. See item 34.	
		Rfid system is now operational		
63	Provide, in partnership with the London Smart works programme a free energy, water and waste audit for SME's in the borough. The scheme will run from 2009 – 2011 and will deliver over 40 audits for businesses. The scheme includes a 6 months support service following the audit.	Scheme has been established 20 audits to be completed by April 2010 Audits have been reprogrammed into 2011/12. Take up from SMEs has been weak	20 additional audits to be completed by April 2011. Total of 40 audits to be done by April 2011 – when current funding ends.	<u>Smart works scheme ends in October 2011</u>
64	Our partners in the public sector will be involved via the Sustainable Community Strategy, and through our action plan we will develop support service to help other public bodies reduce their carbon foot print	The Sustainable Community Strategy was adopted in March 2009. Agree a joint climate change strategy with our partners in the Harrow Strategic Partnership by April 2010. Jointly investigate options for community heating schemes with particular reference to Northwick Park Hospital, Westminster	Development of a joint strategy has proved difficult but some progress is being made – particularly with the development of a joint Affordable Warmth/Fuel Poverty Strategy. We will continue to work during 2010/11 to develop a joint approach on dealing with carbon	

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University, Harrow town centre, Harrow High School, Norbury school, Civic Centre and Harrow Leisure Centre and Wealdstone town centre

emissions in the public sector

65 Establish the Harrow Business Environment Exchange (Harrow BEE) that will be an information service for business to share knowledge and best practice on sustainable issues. The exchange will also hold seminars and work shops for businesses. The network will encourage business to apply for national green awards.

Initial discussions have been held.
No progress has been made

Launch scheme Green Harrow Awards ceremony in March 2011?
Delete policy

66 Establish the Green Harrow Awards through Harrow BEE and the Smart works programme we will to raise awareness and reward good practice.

No progress has been made

First Award ceremony to be held in March 2011?
Delete policy

67 Promote national programmes available for businesses, such as the Carbon Trust's interest free loans scheme for SME's.

No progress has been made

Develop website

During 2011/12

Deleted: By April 2011

68 Encourage businesses to sign up to the Mayor of London's Green Procurement Code.

68a	Encourage business to develop travel plans	Primarily done through the planning process in association with planning applications. Encourage active travel through Business	Work with GLA to develop policy framework for travel plans.	The Development Management policies likely to include detailed requirements, building on TfL guidance, on the content of travel plans.	
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		Improvement Districts		This will provide further guidance to existing business choosing to take a pro-active approach.	
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9 The Council’s Footprint

9.1 Issue

This section deals with the Council’s staff, in-house and contracted out services, transport fleet and building stock – including schools.

The Carbon Reduction Commitment has been incorporated within the Climate Change Act and is legally binding programme on local authorities to cut their CO₂ emissions as a result of their own activities and the activities of their partners and contractors. The CRC starts in April 2010 and includes energy use in schools.

It is now a legal requirement to display a “Display Energy Certificate” – DEC – in each building, which is a large user of energy, showing the energy efficiency of the building. Harrow has completed surveys in the 62 buildings (that exceed the threshold) with an outcome ranging from B (energy efficient) to G (lowest grade). The DEC ratings show that 70% of the buildings surveyed are below the national average. There is therefore a clear need for investment in energy saving measures to bring them to the typical level or above.

Action Plan - The Council’s Footprint

Ref	Description	2009/10	2010/11	2011/12	2012/13 +
69	Establish our baseline carbon footprint.	We reported our baseline CO ₂ emissions for 2008/9 under NI 185 by the July 31 st deadline. Similarly, we reported our baseline NO _x and PM ₁₀ emissions for 2008/9 under NI 194 by the 31 st July deadline.	Base line data is being recalculated for 2009/10. revised baseline will include some additional consumption that has been identified during 2009/10. i.e. Street lighting database has been reviewed and shows a significant increase in installed capacity (~25%) cf. information submitted in 2008/9	Data for 2010/11 will be published along with data for 2010/11 under a revised government timetable	
70	Complete DEC surveys for all properties over 50 sq. m by 2012	This Strategy sets this as a corporate target from April 2010	Lack of resources mean that this optional policy is unlikely to be delivered.	Complete DEC surveys for all properties over 50 sq.m. Delete policy. We	

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Plan to make an annual saving of 4.0% on our carbon footprint by targeting buildings that have high energy footprints and low thermal efficiency. (Note: this represents an annual saving of £240k at today's prices – excluding any carbon pricing)

This Strategy sets this as a corporate target from April 2010.

Financial implications are set out in the report.

Policy should be deleted

will comply with statutory requirements

Carbon Reduction Commitment starts.

CRC payment phase starts with initial price of £12/tonne of carbon.

Make first CRC payment for 2011/12 in April 2012

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£270k of funding (interest free loans) has been obtained from SALIX to fund energy reductions at a number of locations. This will contribute about 1.2% reductions.

Complete first annual report by end of July 2011.

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£63k of Harrow capital funding was also provided and produced a further reduction of approx. half of one percent..

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Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change

The review of the street-lighting database means that total emissions for 2009/10 and 2010/11 will show an increase over 2008/9

Separate CRC report to Cabinet –

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72 Plan to reduce our potable water consumption by 2.5% a year. This represents an annual saving of £25k at present day prices.

This Strategy sets this as a corporate target from April 2010.
Financial implications are set out in the report.

Dec 2010 – identified funding issue.

Water reduction will be addressed by specifying new refurbishment standards for washrooms and toilets.

Refurbishment of civic centre will enable this issue to be addressed.

73 Establish a corporate programme to identify: - how this reduction is to be achieved; how current investment plans will help to deliver the change; what action is needed to close any gap (e.g. the existing schools redevelopment programme will realise some reductions in energy use); and, how revenue savings can be used to pay for the necessary investment.

Agree an investment programme which brings together routine maintenance, asset management, DEC ratings and the carbon agenda to ensure that investment is directed to areas of greatest need and that specifications for repairs and renewals aim for Best Practice standards for energy efficiency etc.
Review IT procurement policy to ensure that reducing energy consumption is a major objective

Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change

74 Require all Cabinet reports to set out the environmental /climate change implications of the recommendation being made

All cabinet reports are required to include and environmental impact statement
Guidance for these statements will be strengthened to include climate change implications.
Authors will be guided to the Nottingham

New guidance proposed in this report for introduction from October 2010.
See Appendix B

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Declaration website.

75 Introduce a system of carbon budgets to enable responsibility for meeting our targets to be delegated down to departments and managers.

The Carbon Reduction Commitment will apply to all Council energy use (gas and electricity) from April 2010. This will require the Council to purchase carbon allowances for the carbon they emit. For the first three years the cost of carbon will be £12 / tonne. After this the number of allowances available will be reduced annually and will need to be purchased via a trading/auction system.

The long-term price is expected to be £40 / tonne.

The financial implications of the CRC scheme are set out in Section 3 of the Cabinet report

Policy decision that all investment leading to energy growth should include a cost of £40/tonne to cover the Carbon Reduction Commitment.

Similarly, investments in energy saving should price the savings to include £40/tonne.

April 2010 – Carbon Reduction Commitment scheme starts.

Council to register with CRC scheme by September 2010.

Registration completed

All Council energy users to start to pay carbon budgets based on carbon footprint.

CRC budget established in Climate Change Team's budget. CRC costs cannot be charged to schools budgets. Net effect (after recycling payments) can be recharged. Discussions on mechanism continuing with Childrens' Services.

Introduce new SLA on all energy users to cover costs of energy procurement, production of DEC, provision of advice on energy reduction and installation of renewable

~~April 2011 – Purchase of double allowances for Carbon Reduction Commitment to cover 2010/11 and 2011/12.~~

CRC scheme has been amended. Double allowances no longer required.

First Annual report due in July 2011

~~First Recycling Payment received in October 2011~~

Negotiate a new SLA on all energy users to cover costs of energy procurement, production of DEC, provision of advice on energy reduction and installation of

Introduce new SLA on all energy users to cover costs of energy procurement, production of DEC, provision of advice on energy reduction and installation of renewable

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renewable technologies.

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technologies.

Discussions continuing

Install AMR equipment to all electricity meters by March 2011.

AMR fitted to all major electricity and gas meters by November 2010.

Sign up to Carbon Trust Standard or similar scheme.

Application for Carbon Trust Standard no longer being pursued due to change in CRC regulations.

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Investment in energy saving measures etc. to improve the Council's performance in the CRC scheme.

Separate report on CRC to Cabinet – Dec 2010.

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76 Formulate a publicity and education Strategy for all levels of staff identifying training needs and awareness.

Develop Communications Plan by June 2011

77 Ensure that Climate Change is incorporated into the Sustainable Community Strategy.

This has been incorporated into the latest revision of the Sustainable Community Strategy

Development of a joint strategy has proved difficult but some progress is being made –

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Harrow Chief Executives' group to discuss commissioning of an umbrella climate change strategy

Group has agreed to develop joint strategy

particularly with the development of a joint Affordable Warmth/Fuel Poverty Strategy.

We will continue to work during 2010/11 to develop a joint approach on dealing with carbon emissions in the public sector

78 Ensure that the Community Risk Register includes climate change impacts

79 Investigate how to reduce the amount of energy used in street lighting.

Agree Strategy to reduce energy used in street and public lighting by March 2011.

Install pilot LED street lighting project. Estimated cost £70k (20 streetlights). Delete

Cabinet report on revised public lighting strategy was reported to April meeting.

Revised public lighting strategy will be used to inform future investment and maintenance

Public consultation on revised policy to report back in September 2011.

A demonstration LED project will be installed.

Deleted: Identify pilot scheme for installation of LED street lighting project. Report anticipated in March 2011.

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80 Implement an office waste recycling scheme in all Council buildings to recycle or compost 50% of the Council's own waste by 2010.

This Strategy sets this as a corporate target from April 2010.

All council buildings to introduce 50% recycling from April 2010.

81 Agree a corporate policy on the use of recycled paper.

Agree that all paper and envelopes used by the Council should be from recycled paper suppliers, with a minimum content of 50% post-consumer paper.

In addition all printers and photocopiers should be set to a default setting for double-sided printing.

This Strategy sets this as a corporate target from April 2010.

82 Review our internal organisation to promote climate change initiatives across the Council, its partners and residents.

A small Climate Change team has been established to drive the Strategy forward.

Reflect climate change in the content of the corporate induction programmes, ensuring awareness of climate change and sustainability is one of the first key messages given to new staff.

Two vacancies arose in the climate change section during 2010/11. These were held open as part of the council's in year savings initiative

Recruit to two vacant posts within the section.

Development of this initiative to be incorporated into the Communications Plan (see 76)

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83 Explore opportunities to establish a capital fund to implement energy saving projects

The Cabinet report identified the financial implications of implementing the Climate Change Strategy – including the capital requirement

Access to sufficient capital remains a significant issue.

Report recommends that the RE:FIT programme is explored to

Establish first RE:FIT scheme

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determine its suitability to provide capital funding.

84 Review the Council's Green Travel Plan for staff travelling to work with a view to encouraging and providing incentives for more staff to utilise public transport, walking and cycling.

Discussion paper to be prepared to look at all the council's transport emissions from fleet operations, business travel and staff commuting

85 Develop and implement a car parking policy that shows a steady reduction of parking availability at Council Offices.

A working group has been set up to discuss the implementation of a policy at the civic centre to introduce staff- parking charges and reduce the availability of parking spaces over a period of time.

Subject to Parking Policy Review introduce initial measures to reduce private car usage by council employees

Options to be considered: essential users car park; car sharing car park; parking charges; etc.

Results to be reported as part of the council's review of parking policy in the borough by March 2011.

86 Agree a carbon reduction programme with our private sector partners (Enterprise, Kier and Leisure connection)

Private sector partners supplied consumption data by end of July 2009

A new contractor has been appointed to run the Council's leisure facilities for 2

Redevelopment of Harrow Leisure Centre – at some point in the future –

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A carbon reduction programme to be agreed by end of March 2010

years from 1 May 2011. Greenwich Leisure Ltd., the new contractor, has committed to providing significant reductions in energy consumption and this has been included within the contract. GLL has a track record in reducing carbon emissions and developing energy saving programmes.

will provide opportunity to significantly reduce carbon footprint.

Major opportunities for reducing energy consumption will occur when the contracts are relet.

Deleted: A two year extension of existing contract with Leisure Connections for Hatch End and Harrow Leisure centres is being negotiated. Energy saving targets are expected to be included in the agreement.

87	Achieve the GOLD standard for procurement under the Mayor's Green Procurement Code by 2012.	Bronze Achieved	Silver Achieved	Gold
88	Identify opportunities for improving the insulation of our existing building stock	This policy is in line with the adoption of the corporate policy to reduce CO2 emissions by 4% pa. See 71 above.	Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change	
89	Ensure that all new corporate buildings (including schools) comply with the BREEAM Excellent rating	This Strategy sets this as a corporate target from April 2010		

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Appendix B

90 Identify opportunities for using renewable energy in all our buildings and land (including parks and open spaces, schools and playing fields etc.) i.e. solar energy, ground source heat pumps, wind turbines etc.

This policy is in line with the adoption of the corporate policy to reduce CO2 emissions by 4% pa.
See 71 above.

Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change.

Development of solar PV is being prioritised to take advantage of Feed-in Tariff scheme (FIT), which was introduced in April 2010 by government.

Use of RE:FIT programme will enable the council to investigate renewable energy opportunities.

Implementation of Renewable Heat Incentive in July 2011 will provide incentive for GSHP, ASHP and solar hot water.

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91 Investigate the development and installation (with the private sector) of significant Combined Heat and Power Plants for Council buildings, schools, adjacent housing and business use.

This policy is in line with the adoption of the corporate policy to reduce CO2 emissions by 4% pa.
See 71 above.

Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change

92 Identify opportunities to reduce the carbon footprint of our direct transport fleet as the different service fleets are renewed.

The Council has four major fleets of vehicles: waste management; public realm services; Adult services transport; and, Children services transport.

The vehicles are provided under a central contract by Fraikin plc.

The Council's O licence is held by the

Street cleansing fleet. The street cleansing fleet has been substantially replaced during 2009/10 – resulting in improved emissions from more efficient (Euro 4 and 5) engines. Three electric street cleaning handcarts were sourced for cleaning the town

Discussion paper to be prepared to look at all the council's transport emissions from fleet operations, business travel and staff commuting

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Head of Public Realm Services.

About 15% of the vehicles used by the Council are currently sourced under different arrangements (to the Fraikin contract).

The specification, usage, fuel type etc is currently specified separately by each user department. There is no policy regarding CO2 emissions.

The waste management fleet was renewed in 2008/9. Euro V diesel engines were specified

This Strategy sets the reduction of CO2 from the Council's fleet as a corporate target with immediate effect. Fleet vehicles which have not yet been ordered should be required to demonstrate the measures to be incorporated in the procurement that will reduce CO2 emissions.

Similarly emissions of NOx should also be reduced when purchasing new vehicles.

A further report will be prepared setting out the scope for

centre.

Refuse fleet. Introduction of the new fleet last year has resulted in a reduction in fuel use over the last year. The introduction and integration of new Route-smart technology with the Waste Collector in-cab technology is expected to allow further fuel savings once fully operational.

Special Needs transport A review of special needs transport is ongoing and a new fleet of vehicles have been leased/rented as part of the review. Routing software has also been procured to allow the routes to be managed more efficiently. The number of vehicles has reduced from a high of 96 to the current number of 87 or which 76 are on long term lease and 11 on spot hire arrangements. Of these, 36 are Euro 5 compliant and 51

reduction, financial implications and proposed timetable for implementation.

Note: The current replacement of the public realm services fleet will fall outside of this policy change as it is in the process of being replaced. Euro IV diesel engines have largely been specified (Euro V not being available). A number of electric-powered vehicles have been procured for use in the town centre.

Euro 4 compliant.

Driver training, all drivers are undertaking Driver CPC training on Vehicle Safety, Control Systems and Fuel Efficiency to improve fuel efficiency driving skills.

Appendix B