

Progress Review – September 2012

Changes from May 2011 highlighted

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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>	Core Strategy adopted February 2012.	<p>Development Management Policies DPD, Site Specific Allocations DPD, and Harrow & Wealdstone Area Action Plan all progressed to final Examination in Public Stage due January 2013.</p> <p>West London Waste Plan progressing slowly towards Pre-submission</p>
2	In consultation with relevant parties, develop and adopt a Sustainable Design Supplementary Planning document (SPD) to encourage designers to think about	<p>The Sustainable Design SPD was adopted by Cabinet on 18 June 2009</p> <p>Website to be developed</p>		Improvements to website not implemented due to	

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	sustainability and climate change issues in compliance with the London Plan.	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.		lack of staff capacity	
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		No further action required	
4	Work with Approved Inspectors and Self Certification schemes to promote the early adoption of higher environmental standards	Review of in house skills and developers requirements underway to establish future development needs on delivery of sustainable technologies Explore creation of dedicated "expert" resource within BC to advise Dev Management on Sustainable construction and technologies and support	Potential roll out of in house expert resource to promote mainstreaming of sustainable technology/climate change agenda	Senior BCO's and Senior professionals have attended SAP accredited courses and CfSH awareness training. Dedicated training to staff on Solar and PV technology and CHP and the building regulations. DM officers actively consult BC officers on	Review of in house skills and developers requirements underway to establish future development needs on delivery of sustainable technologies.

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		developers		Energy statements to achieve 20% energy reduction target.	
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>		Use of Part L for enforcement has focussed particularly on “re-roofing” of properties and used as a basis for thermal upgrade under Building Regulations.	No further action
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.	<p>This document has been approved by the LDF Panel for public consultation and is expected to be adopted later this year.</p> <p>Changes in Regulations governing planning obligations has rendered the SPD obsolete</p> <p>An Infrastructure Delivery Plan will be prepared to co-ordinate investment of S106 receipts and other funding in infrastructure</p>	<p>Work has begun on preparing the Infrastructure Delivery Plan (IDP), which will form the basis for work on a charging schedule required to implement a Community Infrastructure Levy in the Borough.</p> <p>However, further changes are expected to the regulations, the implications of which will need to be kept under review</p>	<p>IDP examined as part of the evidence base to the Core Strategy, will now underpin CIL evidence and Council’s 5 year infrastructure investment plan</p>	<p>Preliminary Draft Charging schedule consulted on August 2012.</p> <p>Draft Charing Schedule reporting to Council in November for approval for consultation and submission for Examination</p> <p>New S106 SPD being drafted</p>
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.	<p>During 2011/12</p> <p>Not implemented due to lack of staff capacity</p>	Not implemented due to lack of staff capacity

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 83 cavity walls	91
Council owned	6	64		
Private renting	12	49		
Housing Association	4.4	n/a		
Other	0.6	n/a		

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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 Homes: Greener Homes by DECC setting out government's strategy in Feb 2010.</p>	<p>Delivery strategy being developed as part of HSP Affordable Warmth/Fuel Poverty Strategy</p>	<p>The Affordable Warmth/Fuel Poverty Strategy - "Delivering warmer Homes" was adopted in July 2011</p>	<p>New Strategy to be agreed in response to the introduction of the Green Deal and the new HECA guidance</p>

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		Development of council's strategy delayed			
9	Encouraging all landlord/homeowners in the borough with property with cavity walls to install cavity wall insulation by 2015	<p>CERT scheme provides to residents free or discounted cavity wall insulation</p> <p>Currently Capacity issues with installers</p> <p>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 homes: Greener Homes by DECC setting out government's strategy in Feb 2010.</p> <p>Development of strategy delayed</p>	Delivery strategy being developed as part of HSP Affordable Warmth/Fuel Poverty Strategy	The Affordable Warmth/Fuel Poverty Strategy - "Delivering warmer Homes" was adopted in July 2011	New Strategy to be agreed in response to the introduction of the Green Deal and the new HECA guidance
10	Provide technical and practical advice (directly and via the Council's website) to builders, decorators and landlords/homeowners on options for installing insulation in houses that have solid walls.	<p>Go Green helpline provides advice to residents</p> <p>Basic advice on grants available on the Council's website.</p>	Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards	<p>During 2011/12</p> <p>Not implemented due to lack of staff capacity</p>	To be considered in the new Strategy
11	Providing advice to residents on how to reduce energy consumption in the home.	Go Green helpline provides advice to	Website to be developed to provide Best Practice advice for householders	<p>During 2011/12</p> <p>Not implemented due to</p>	To be considered in the new Strategy

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		residents Basic advice on grants available on the Council's website.	and developers on how to meet these standards	lack of staff capacity	
12	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	During 2011/12 Not implemented as the introduction of FIT and RHI means grants are no longer available	
13	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	The Affordable Warmth/Fuel Poverty Strategy - "Delivering warmer Homes" was adopted in July 2011	New Strategy to be agreed in response to the introduction of the Green Deal and the new HECA guidance
14	Promotion and education		Website to be developed to provide Best Practice advice for householders and developers on how to meet these standards	During 2011/12 Not implemented due to lack of staff capacity	

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	Prepare Harrow Transport Local Implementation Plan (LIP) for Mayoral approval. This contains the future programme for the following years as outlined below.	Discussions with TfL on LIP guidelines. Document preparation started	LIP guidelines issued. LIP public consultation to ensure proposals are supported by public	Received TfL approval and full Council adopted Transport LIP.	Ongoing
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 development site.	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	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	Harrow Core Strategy adopted February 2012	Remaining suite of Local Plan documents all progressed to final Examination in Public Stage due January 2013.

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		to allow for the preparation of a supporting delivery plan. Now programmed for October 2010			
16	Change the public's behaviour by encouraging walking and cycling or the use of public transport will be an important priority.	<p>Travel Plans for certain types of developments are a requirement of the London Plan</p> <p>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 <i>It's Up To All of Us</i> sent out; websites providing more information; encourage active travel through leading 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</p>	<p>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 <i>It's Up To All of Us</i> sent out; websites providing 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>	<p>Strengthen Travel Plan policy requirements in the Harrow Development Management DPD</p> <p>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 <i>It's Up To All of Us</i> sent out; websites providing more information; encourage active travel through leading on</p>	<p>Green Travel Plan for the Heart of Harrow being prepared</p> <p>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 <i>It's Up To All of Us</i> sent out; websites providing more information; encourage active</p>

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		and logging miles/steps Campaign website to have more interactive and multimedia content		initiatives in conjunction with Harrow NHS.	travel.
17	Support bus priority measures, and promote cycling and walking initiatives.	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 Bike Week Will continue to maximise these activities based on available funding	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 cycling incentives and initiatives alongside national schemes such as Walking Works and Bike Week Will continue to maximise these activities based on available funding	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 cycling incentives and initiatives alongside national schemes such as Walking Works and Bike Week Will continue to maximise these activities based on available funding	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 cycling incentives and initiatives alongside national schemes such as Walking Works and Bike Week Will continue to maximise these activities based on available funding
18	Encourage school and workplace travel	78 schools currently have a school travel plan.	96% of all schools have a	98% of all schools	98% of all schools have

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	planning.	<p>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>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>	have a travel plan.	a travel plan.
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.	<p>There are currently 19 controlled parking zones in the borough covering around 15% of the entire borough.</p> <p>Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles</p>	<p>There are currently 22 controlled parking zones in the borough covering around 17% of the entire borough.</p> <p>Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles</p>	<p>There are currently 23 controlled parking zones in the borough covering around 17% of the entire borough.</p> <p>Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles</p>	<p>There are currently 23 controlled parking zones in the borough covering around 17% of the entire borough.</p> <p>Controlled parking zones continue to expand as increased congestion demands increase requests for zones. This will increase the attractiveness of environmentally friendly vehicles</p>

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20	<p>Report the Town and Country Planning General Permitted Development Order (October 2008) requirement that front garden hard standing be subject to planning permission.</p>	<p>Legislation has been enacted and will be enforced by Development Management</p> <p>Engage with GLA on the development of parking policy in the London Plan.</p>		<p>Parking policies and requirements for permeable surfaces for parking areas addressed in the Development Management Policies DPD - Policy 31: Streetside Greenness and Forecourt Greenery, which requires any proposals for substantial (i.e. more than 5 sq m) hard surfacing to be permeable.</p> <p>This follows on from that fact that in October 2008 the permitted development (PD) rights that allow householders to pave their front garden with hardstanding without planning permission was rescinded in order to reduce the impact of this type of development on flooding and on pollution of watercourses. PD is now 5 sq m.</p>	<p>No further action required</p>
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21	Investigate how to support the provision and expansion of car clubs.	<p>Early discussion with multiple operators regarding possible suitable locations for car clubs and the benefits of cleaner fuelled vehicles</p> <p>Agree locations for car clubs.</p> <p>Consider car clubs as part of new controlled parking zones and controlled parking zones reviews and extensions</p>	Introduce car clubs and promote car clubs in CPZ areas.		<p>Green Travel Plan being prepared for the Heart of Harrow</p> <p>Provision for car clubs to be prioritised over other parking requirements, with the exception of disabled parking, within all new major developments</p>
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>	Introduce an electric car charging point in a central Harrow car park.
23	Promote travel planning through the planning process	<p>See 18 above.</p> <p>Planners undergoing training on new travel planning guidance</p>			<p>Green Travel Plan being prepared for the Heart of Harrow</p> <p>All major development proposals to include</p>

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					travel plans with delivery secured through planning agreements
24	Promotion and education	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 and the environment;	Website to be developed to provide Best Practice advice for householders		Green Travel Plan being prepared for the Heart of Harrow

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		Policies now included in the Core Strategy and other Local Plan documents to give further weight to the guidance in the SPD.	C/D will be controlled by the implementation of schedule 3 (SuDS) of the Flood & Water Management Act 2010.

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	<p>increase storage capacity for rainfall and reduce the use of potable water; and</p> <p>c) include Sustainable Urban Drainage Schemes (SUDS) to control surface water run-off</p> <p>d) ensure that new developments will not adversely affect the sewer system via controlled discharge, SUDS etc.</p>				<p>Developer will submit a SUDS application to the SUDS Approving Body (SAB).</p> <p>* currently controlled through planning conditions and DM Policies</p>
26	<p>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.</p>	<p>The Sustainable Design SPD was adopted by Cabinet on 18 June 2009</p>		<p>We have put a Policy in the Development Management Policies DPD - Policy 31: Streetside Greenness and Forecourt Greenery, which requires any proposals for substantial (i.e. more than 5 sq m) hard surfacing to be permeable.</p> <p>This follows on from that fact that in October 2008 the permitted development (PD) rights that allow householders to pave their front garden with hardstanding without planning permission was rescinded in order to reduce the impact of this type of</p>	<p>No further action required</p>

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				development on flooding and on pollution of watercourses. PD is now 5 sq m.	
27	Consult with the Environment Agency on any proposed developments within or near to flood plains.	<p>This is already a statutory requirement and is undertaken as part of the planning process</p> <p>Engage with EA on emerging catchment management plans and climate change strategy having regard to SFRA and potential Water Cycle Study</p>	Stage 2 SFRA commissioned and signed-off in September 2010	Final Level 2 SFRA published in 2011 and used to support the Core Strategy through the subsequent examination in public process.	An addendum report to the Level 2 SFRA commissioned and published to revisit the appropriate flood designations in Wealdstone and to support the site allocations in the AAP and Site Allocations DPD ahead of examination in public in January 2013. Also use dot format area specific development management policy (in the AAP) for flood risk sites in Wealdstone.
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 Sustainable Urban Drainage Systems on all new development.	<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</p>	<p>Pre-submission on the Harrow core strategy in October 2010 followed by Examination in Public in March 2011.</p> <p>Preparation will begin on the Development Management Policies DPD and Site Specific Allocations DPD</p>	Adoption of the Harrow Core Strategy, which sets out strategic flood risk issues and implications of development.	Pre-submission consultation on the Heart of Harrow AAP, the Development Management Policies DPD and Site Allocations DPD undertaken. Examination in public to take place January

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		<p>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>2013. Adoption April 2013. Documents to reflect the findings of the SFRA.</p> <p>Preliminary draft charging schedule for Harrow Community Infrastructure Levy published for consultation. Further consultation and examination in public to take place during 2012/13. Adoption summer 2013. Will raise funding for flooding infrastructure projects amongst other things.</p>
29	Implement a Surface Water Management Plan (SWMP) from the Flood & Water Bill.	<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> <p>Adoption of the Harrow Core Strategy, which sets out strategic flood</p>	<p>Actions (Critical Drainage Areas (CDA)) contained in the SWMP are currently being addressed by Asset Management of the Borough's drainage infrastructure and investment from the Drainage Capital Budget</p> <p>Pre-submission consultation on the Heart of Harrow AAP,</p>

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				risk issues and implications of development.	the Development Management Policies DPD and Site Allocations DPD undertaken. Examination in public to take place January 2013. Adoption April 2013. Documents to reflect the findings of the SWMP.
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	Develop website during 2011/12 Not implemented due to lack of staff capacity	
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	During 2011/12 Not implemented due to lack of staff capacity	Not implemented due to lack of staff capacity

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, introduced to provide recycling facilities to remaining 8000 flats (not currently served by the scheme)	Flats recycling scheme fully implemented
32A	Publish a municipal Waste Prevention Strategy for West London.		Funding provided by WLWA to employ waste minimisation officer and develop waste minimisation initiatives	Strategy to be adopted by WLWA (June 2011) Harrow has worked in partnership with WLWA to deliver the implementation plan	Continue to work with WLWA on implementation of the plan
32B	Transfer of civic amenity site provision from Boroughs to WLWA following repeal of Section 1 of the Refuse Disposal Amenity Act		Defra consultation on proposal to repeal RDA.	Defra confirmed transfer/repeal of section 1 of RDA. West Waste Boroughs agree to maintain the status quo from April 1 2012. Provision of sites to be reviewed in 2013/14	Section 1 of RDA repealed 1 April 2012. Statutory responsibility to provide CA Sites, transferred to WLWA
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	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.	Develop joint Strategy with WLWA. WLWA anticipates agreement of joint strategy and ratification by constituent authorities by April 2011	Joint Strategy agreed with WLWA WLWA start procurement of waste treatment capacity to replace landfill	Procurement of waste treatment technology proceeds to award of contract by June 2013

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	65%.	Development work on joint strategy has continued			
34	Work with WLWA to source a local Anaerobic Digestion (AD) plant for the processing of food waste.	<p>As part of the review of the Joint waste Strategy WLWA and the other five authorities are investigating this option.</p> <p>Potential additional collection cost of £50,000 – partly offset by reduced landfill costs</p> <p>Work continuing with LWaRB for development of AD plant in West London</p>	Develop as part of joint Strategy with WLWA having regard to the emerging WLWP	<p>Develop as part of joint Strategy with WLWA having regard to the emerging WLWP</p> <p>Local AD plant is expected to be delivered by LWaRB funded scheme. Boroughs to consider collecting food waste when plant becomes operational</p>	No progress on AD plant
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.	<p>A consultation of the Issues and options has been completed.</p> <p>Work is proceeding on the submission draft, which is expected to go out for further consultation in November 2009.</p> <p>Revised waste apportionment figures issued by GLA.</p> <p>Consultation on joint waste DPD is still in progress.</p>	<p>Final submission document agreed and sent to the Secretary of State</p> <p>Further consultation due in the new year on identifying suitable sites</p>	Joint Waste DPD continues to be developed, sites across west London identified for future safeguarding for waste treatment facilities	Joint Waste DPD to be submitted to SoS for approval
36	Ensure that development sites produce Site Waste Management Plans to deal with the	Continue to apply London Plan policy, where applicable, and review of	Commence preparation of the Harrow Development Management DPD		Major development proposals required to produce waste

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	waste generated.	<p>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>			management plans that address constructions and occupation phases
37	Promotion and education		Website to be developed	<p>During 2011/12</p> <p>Not implemented due to lack of staff capacity</p>	Not implemented due to lack of staff capacity

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.	BAP has been adopted. 10 site management plans are in place – out of 30 sites in total. Number of site management plans increased to 14. New BAP officer has been	Review effectiveness of BAP. BAP is constantly reviewed Increase number of site management plans to 20.	Continue to review effectiveness of BAP. Not implemented due to lack of staff capacity	Formal review of BAP no longer planned.

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		recruited			
39	Publish an Allotment Strategy that addresses climate change and encourages allotment holders to adopt practices that encourage biodiversity (as part of the LDF).	Allotment Strategy has been adopted. Allotments Strategy SPD to be developed	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. Prepare Open Spaces Strategy	Open Spaces Strategy to be adopted. Review Allotment Rules. Allotment improvement plan to: <ul style="list-style-type: none"> • improve infrastructure to encourage greater use • Reclaim lost plots to maximise use • Improved involvement with users • Active site management 	Allotment improvement plan continuing
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).	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.	Harrow Green Grid to be prepared Draft Tree Strategy being reviewed in line with the Mayor's Tree strategy and GLA guidance	Harrow Green Grid programme into 2 nd year. Adopt Tree Strategy (Not implemented)	Complete tree survey in line with GLA requirements Redraft of Tree strategy being developed
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)	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	Open Spaces Strategy to be prepared. One additional park to achieve Green flag status – including reduced maintenance area. Deferred New maintenance regimes	Open Spaces Strategy to be adopted in November 2011 Three additional parks to achieve Green flag status – including reduced maintenance	Sections of Harrow cemetery have been trialled as wild flower areas

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		areas.	introduced in Stanmore Marshes and West Harrow Rec – to improve biodiversity.	area. - Deferred We will consider applying for more Green Flag parks such as Pinner Memorial Park awarded Green Flag status 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	All bedding areas replaced	Some housing areas have been converted to herbaceous planting
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	No further action
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 is considered to be	Provision of tree pits included in new schemes where appropriate	No further action	

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		inappropriate by the Tree Officer.			
46	Aim to increase the tree planting programme to plant 2000 trees each year	Current funding allows the replacement of 1000 trees a year, Bid for increased budget in MTFS.	Plant 2000 trees each year. Approx 1000 trees expected to be planted – due to limited resources Harrow Green Grid to be prepared.	Plant 2000 trees each year – subject to funding Approx. 1000 planted	Plant 2000 trees – subject to funding Approx. 1000 to be planted
47	Improve the maintenance of trees to mitigate the negative impact of stronger winds etc. and extend the life of the existing tree stock.	The Council can currently only react to complaints and events. 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. Cyclical maintenance would cost approx. £300k per year. Agree to introduce cyclical maintenance of trees as a Council policy Tree condition survey of all trees in the borough has been completed.	Incorporate additional £150k into budget for 2011/12 to undertake backlog of work prior to implementation of cyclical maintenance programme Not implemented.	Introduce cyclical maintenance of trees from April 2011 over a two year period. . Incorporate additional £150k into budget for 2012/13 Defer until funding becomes available	Still deferred until funding becomes available
48	Encourage residents and businesses to maintain gardens and planted areas in a manner that encourages wildlife	Adopt a bed scheme has been introduced.	Develop website By April 2011	Not implemented due to lack of staff capacity	Not implemented due to lack of staff capacity

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49	<p>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.</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>Improvements to Belmont trail walking and cycling access taking place in a manner sympathetic to the local environment and biodiversity.</p> <p>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.</p> <p>Preparation will begin on the Development Management Policies DPD and Site Specific Allocations DPD</p>	<p>Harrow Core Strategy adopted in February 2012.</p>	<p>Other Local Plan documents advanced to submission stage.</p> <p>SPD on backgarden development being prepared to support / reinforce Council's 'presumption against' policy</p>
50	<p>Where appropriate, use Section 106 Agreements to support the management of areas of important biodiversity</p>	<p>Draft Planning Obligations SPD has been approved for public consultation</p> <p>Changes in regulations governing planning obligations has rendered the SPD obsolete.</p>	<p>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 in the Borough.</p> <p>However, further changes are expected to the</p>		<p>Harrow's Community Infrastructure Levy is being prepared in tandem with a Planning Obligations SPD – the former to address strategic green infrastructure requirements and the latter to address site</p>

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			regulations, the implications of which will need to be kept under review		specific requirements.
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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
51	Provide educational materials for residents on the benefits of buying local sourced produce		Develop website	During 2011/12 Not implemented due to lack of staff capacity	No progress
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		No progress	No progress
53	Provide educational materials for residents on how to grow their own vegetables		Develop website	During 2011/12 Not implemented due to lack of staff capacity	No progress
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 waiting list is 300.	Open Spaces Strategy to be adopted	

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55	Encourage people to shop locally.		Develop website Harrow resident discount card announced.	During 2011/12 Not implemented due to lack of staff capacity	No progress
56	Promote the use of local delivery schemes from farmers in the South East region.		Develop website	During 2011/12 Not implemented due to lack of staff capacity	No progress
57	Promote purchasing organic produce, which usually yields a lower carbon foot print		Develop website	During 2011/12 Not implemented due to lack of staff capacity	No progress
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	Application for Fair Trade status was not approved. Action plan was developed and is being progressed.	New application for Fair trade borough status is expected November 2012.
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	During 2011/12 Not implemented due to lack of staff capacity	No progress
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	During 2011/12 Not implemented due to lack of staff capacity	No progress
61	Promote the use of purchasing goods that can be re-filled and reused, and encourage businesses to use less packaging		Develop website	During 2011/12 Not implemented due to lack of staff capacity	No progress

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>Collection of trade waste</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 plant. See item 34.</p>	A co-mingled dry recycling service is offered to all business customers – at a discounted rate	No further action required

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		<p>will be recorded via an Rfid system, which will enable the exact time and location to be recorded.</p> <p>Rfid system is now operational</p>			
63	<p>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.</p>	<p>Scheme has been established</p> <p>20 audits to be completed by April 2010</p> <p>Audits have been reprogrammed into 2011/12.</p> <p>Take up from SMEs has been weak</p>	<p>20 additional audits to be completed by April 2011.</p> <p>Total of 40 audits to be done by April 2011 – when current funding ends.</p>	<p>Smart works scheme ended in October 2011</p>	<p>No further action required</p>
64	<p>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</p> <p>The Sustainable Community Strategy is now out of date and is unlikely to be refreshed as the require ment for these documents has been removed by Government. However, joint action through initiatives such as Community Budgets, joint commissioning and seeking economies of scale will drive partnership working including investigating to help othjer public bodies to reduce their carbon footprint.</p>	<p>The Sustainable Community Strategy was adopted in March 2009.</p> <p>Agree a joint climate change strategy with our partners in the Harrow Strategic Partnership by April 2010.</p> <p>Jointly investigate options for community heating schemes with particular reference to Northwick Park Hospital, Westminster University, Harrow town centre, Harrow High School, Norbury school, Civic Centre and Harrow Leisure Centre and</p>	<p>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.</p> <p>We will continue to work during 2010/11 to develop a joint approach on dealing with carbon emissions in the public sector</p>	<p>Investigations into the possibility of reducing the Council's and other public bodies' use of buildings through co-location, more efficient usage and integrated services continue which, where successful, will contribute reduced energy use.</p>	<p>Continued work on the public sector estate.</p>

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		Wealdstone town centre			
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 Not implemented due to lack of staff capacity	No progress
68	Encourage businesses to sign up to the Mayor of London's Green Procurement Code.			Not implemented due to lack of staff capacity	No progress
68a	Encourage business to develop travel plans	Primarily done through the planning process in association with planning applications. Encourage active travel through Business Improvement Districts	Work with GLA to develop policy framework for travel plans.	The Development Management policies include requirements, building on TfL guidance, on the content of travel plans. This will provide further guidance to existing business choosing to take a pro-active approach.	Green Travel Plan for the Heart of Harrow being developed

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.	<p>We reported our baseline CO₂ emissions for 2008/9 under NI 185 by the July 31st deadline.</p> <p>Similarly, we reported our baseline NO_x and PM₁₀ emissions for 2008/9 under NI 194 by the 31st July deadline.</p>	<p>Base line data is being recalculated for 2009/10. revised baseline will include some additional consumption that has been identified during 2009/10.</p> <p>i.e. Street lighting database has been reviewed and shows a significant increase in installed capacity (~25%) cf. information submitted in 2008/9</p>	Data for 2010/11 was published along with data for 2010/11 under a revised government timetable	Data for 2011/12 published in July 2012
71	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)	<p>This Strategy sets this as a corporate target from April 2010.</p> <p>Financial implications are set out in the report.</p>	<p>Carbon Reduction Commitment starts.</p> <p>£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.</p>	<p>CRC payment phase starts with initial price of £12/tonne of carbon.</p> <p>Complete Footprint Report and first Annual Report by end of July 2011.</p>	<p>Purchasing of allowances for 2011-12 was completed in July 2012.</p> <p>Annual report for 2011-12 was also completed by July 31 deadline</p> <p>Carbon emissions have</p>

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			<p>£63k of Harrow capital funding was also provided and produced a further reduction of approx. half of one percent..</p> <p>Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change</p> <p>The review of the street-lighting database means that total emissions for 2009/10 and 2010/11 will show an increase over 2008/9</p> <p>Separate CRC report to Cabinet – Dec 2010 – identified funding issue.</p>	<p>RE:FIT scheme to retrofit schools and corporate buildings with energysaving measures was approved in principle in Feb 2012</p>	<p>reduced by 1.26% compared with 2010-11.</p> <p>RE:FIT is being delivered in a total of six schools and within the Civic Centre complex during 2012-13. This is expected to deliver an annual carbon saving of 660 tonnes (3.7%) – once implemented</p>
72	Plan to reduce our potable water consumption by 2.5% a year. This represents an annual saving of £25k at present day prices.	<p>This Strategy sets this as a corporate target from April 2010.</p> <p>Financial implications are set out in the report.</p>	Water reduction will be addressed by specifying new refurbishment standards for washrooms and toilets.	Refurbishment of 2 nd floor of the civic centre will enable this issue to be addressed.	Refurbishment of 1 st floor of the civic centre will continue this process
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.	<p>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.</p> <p>Review IT procurement policy to ensure that reducing energy consumption is a major</p>	Asset Management Plans for schools and corporate buildings are being developed to address issues of maintenance backlog and climate change		<p>Capital programme includes £500k Carbon reduction budget, which is being used to deliver the RE:FIT scheme</p> <p>RE:FIT is an invest to save energy reduction programme</p>

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		objective			
74	Require all Cabinet reports to set out the environmental /climate change implications of the recommendation being made	<p>All cabinet reports are required to include and environmental impact statement</p> <p>Guidance for these statements will be strengthened to include climate change implications.</p> <p>Authors will be guided to the Nottingham Declaration website.</p>	<p>New guidance proposed in this report introduced in October 2010.</p> <p>See Appendix B</p>	New guidance introduced	No further action required
75	Introduce a system of carbon budgets to enable responsibility for meeting our targets to be delegated down to departments and managers.	<p>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.</p> <p>The long-term price is expected to be £40 / tonne.</p> <p>The financial implications of the CRC scheme are set out in Section 3 of the Cabinet report</p> <p>Policy decision that all investment leading to energy growth should include a cost of £40/tonne to cover the Carbon</p>	<p>April 2010 – Carbon Reduction Commitment scheme starts.</p> <p>Council to register with CRC scheme by September 2010.</p> <p>Registration completed</p> <p>All Council energy users to start to pay carbon budgets based on carbon footprint.</p> <p>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.</p> <p>Introduce new SLA on all energy users to cover costs of energy procurement, production of DEC, provision of advice on energy reduction and installation</p>	<p>CRC scheme has been amended. Double allowances no longer required.</p> <p>First Annual report completed in July 2011</p> <p>Agreement reached with Childrens Services on payment of CRC footprint for schools</p> <p>Negotiated a new SLA</p>	

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		<p>Reduction Commitment.</p> <p>Similarly, investments in energy saving should price the savings to include £40/tonne.</p>	<p>of renewable technologies.</p> <p>Discussions continuing</p> <p>Install AMR equipment to all electricity meters by March 2011.</p> <p>AMR fitted to all major electricity and gas meters by November 2010.</p> <p>Sign up to Carbon Trust Standard or similar scheme.</p> <p>Application for Carbon Trust Standard no longer being pursued due to change in CRC regulations.</p> <p>Investment in energy saving measures etc. to improve the Council's performance in the CRC scheme.</p> <p>Separate report on CRC to Cabinet – Dec 2010.</p>	<p>on all energy users to cover costs of energy procurement, production of DEC, provision of advice on energy reduction and installation of renewable technologies.</p>	
76	Formulate a publicity and education Strategy for all levels of staff identifying training needs and awareness.			<p>Develop Communications Plan by June 2011</p> <p>Not implemented due to lack of staff capacity</p>	
77	Ensure that Climate Change is incorporated into the Sustainable Community Strategy.	<p>This has been incorporated into the latest revision of the Sustainable Community Strategy</p> <p>Harrow Chief Executives' group to discuss commissioning of an umbrella climate change strategy</p> <p>Group has agreed to</p>	<p>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.</p> <p>We will continue to work during 2010/11 to develop a joint approach on dealing with carbon</p>	<p>Investigations into the possibility of reducing the Council's and other public bodies' use of buildings through co-location, more efficient usage and integrated services continue which, where successful, will</p>	Continued work on the public sector estate.

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		develop joint strategy	emissions in the public sector	contribute reduced energy use.	
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.	Cabinet report on draft public lighting strategy was reported to April meeting. Public consultation on revised policy in Jan/Feb 2012 Demonstration LED projects installed.	Public consultation on revised policy reported back in April 2012. Revised public lighting strategy now being used to inform future investment and maintenance
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.		To be discussed with procurement to ensure that all departments follow this policy. Scheme to be reviewed as part of Green Champion initiative
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.			To be discussed with procurement to ensure that all departments follow this policy.

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82	Review our internal organisation to promote climate change initiatives across the Council, its partners and residents.	<p>A small Climate Change team has been established to drive the Strategy forward.</p> <p>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.</p>	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	Two unfilled vacant posts within the section have prevented this.	No progress due to continued vacancies in the climate change section
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	<p>Access to sufficient capital remains a significant issue.</p> <p>Report recommends that the RE:FIT programme is explored to determine its suitability to provide capital funding.</p>	<p>Cabinet agreed to appoint MITIE as the council's RE:FIT contractor in February 2012.</p> <p>Carbon reduction capital fund of £500k established for 2012/13</p>	<p>RE:FIT scheme implemented in summer 2012.</p> <p>Capital allocation for 2013/14 and 2014/15 to be confirmed to allow scheme to be rolled out across the council's building stock</p>
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	Green Travel Plan to be reviewed by March 2013
85	Develop and implement a car parking policy that shows a steady reduction of parking availability at Council Offices.		<p>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.</p> <p>Options to be considered: essential users car park; car sharing car park;</p>	Subject to Parking Policy Review introduce initial measures to reduce private car usage by council employees	To be included in the review of the Green Travel Plan

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			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 carbon reduction programme to be agreed by end of March 2010	A new contractor has been appointed to run the Council's leisure facilities for 2 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. Major opportunities for reducing energy consumption will occur when the contracts are relet.	Redevelopment of Harrow Leisure Centre – at some point in the future – will provide opportunity to significantly reduce carbon footprint. No progress on this during the year.	Options for future energy provision at the Leisure Centre, Hatch End swimming pool and Bannister to be developed in partnership with GLL
87	Achieve the GOLD standard for procurement under the Mayor's Green Procurement Code by 2012.	Bronze Achieved	Silver Achieved	Gold Silver achieved	Membership of this scheme has been discontinued. Council has adopted a sustainable procurement policy to use on all procurements
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		RE:FIT programme and capital maintenance are working together to identify opportunities to improve insulation provision.

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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		Curtailment of the Building schools for the Future programme has affected implementation	The Priority Schools Building Programme has been announced. Discussions have taken place on ensuring new designs are energy efficient. Unlikely to insist that designs meet BREEAM Excellent rating
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.	Unable to take advantage of FIT scheme for council buildings before the government reduced the level of support Anticipated implementation of the Renewable Heat Incentive in July 2011 (to provide incentive for GSHP, ASHP and solar hot water) delayed until 2013.	We will continue to review our options as the RHI and Green Deal comes on stream
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		RE:FIT programme will install CHP in council buildings and schools where this is appropriate
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.	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	Discussion paper to be prepared to look at all the council's transport emissions from fleet operations, business travel and staff commuting. A fleet of low-carbon	Consideration of pool cars to be included in the review of the Green Travel Plan See 84 and 85 above

		<p>The Council's O licence is held by the Head of Public Realm Services.</p> <p>About 15% of the vehicles used by the Council are currently sourced under different arrangements (to the Fraikin contract).</p> <p>The specification, usage, fuel type etc is currently specified separately by each user department.</p> <p>There is no policy regarding CO2 emissions.</p> <p>The waste management fleet was renewed in 2008/9. Euro V diesel engines were specified</p> <p>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.</p> <p>Similarly emissions of NOx should also be reduced when purchasing new vehicles.</p> <p>A further report will be prepared setting out the scope for reduction, financial implications and proposed timetable for implementation.</p> <p>Note: The current replacement of the public realm services fleet will fall</p>	<p>the town centre.</p> <p>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.</p> <p>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 Euro 4 compliant.</p> <p>Driver training, all drivers are undertaking Driver CPC training on Vehicle Safety, Control Systems and Fuel Efficiency to improve fuel efficiency driving skills.</p>	<p>Smart cars has been introduced at the depot to replace a mixture of vans and private car use.</p> <p>Driver training ongoing</p>	<p>Driver training ongoing</p>
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Appendix A

		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.			
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