



## **Sustainability and Environmental Policy** **Annual Report** (Jan 2012- Jul 2013)

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# Contents

<b>Introduction</b>	3
<b>Governance</b>	4
• Sustainability, Environment & Carbon Management Group (SECMG)	
• Sustainability Team	
• Policies and Documents	
<b>Major Achievements</b>	5
<b>Carbon Management</b>	7
<b>Campus</b>	9
• Waste Management	
<b>Community</b>	10
• Fairtrade	
• Students' Union	
<b>Events</b>	11
• Student Switch Off	
• Green Week	
• Halls recycling pilot	
<b>Targets and Objectives review</b>	14
• Appendices	14
• Appendix 1 Environment Objectives and Targets 2012/13	14
• Appendix 2 Environment Objectives and Targets 2013/14	17



# Introduction

Welcome to the University's Annual Sustainability and Environment Report.

During the past year the University has begun to implement a new Strategic Plan and its supporting strategies, one of which is the Sustainability Enabling Strategy (SES). The development and implementation of the SES in 2012, supported the creation of a new SES monitoring group. This was representative of the wider university community and an ambitious five year action plan was produced for the integration of the sustainability agenda within the governance, culture and processes of the University.

This report highlights the achievements made along the sustainability path over the preceding 12 month period (January – December 2012). It also covers the reporting period to July 2013, so that in future years, Sustainability reporting is aligned with the annual reporting for University strategies.

#### The main sustainability initiatives include:

- strong carbon management performance
- engagement with students through partnership with the Students' Union
- the promotion of sustainability awareness through social media channels targeted at both staff and students.

# Governance

In June 2012, the University approved the Sustainability Enabling Strategy five year plan which advocated a more robust and integrated approach to sustainability within the University. In September 2012 the Sustainability, Environment and Carbon Management Group (SECMG) was formed with new terms of reference providing it with several purposes which include:

- To review and revise the University's Sustainability and environmental policy, objectives and the other elements of the Environmental Management System.
- To recommend any changes and agree annual objectives and targets
- To strive to embed Sustainability into the University's culture, community, campuses and curriculum
- To work with the Students' Union to actively raise awareness of environment, sustainability and carbon management issues
- To promote improved environmental performance across University Schools, Departments, the student community and University Subsidiary Companies

The Sustainability Strategy and Action Plan can be found online at [http://www.wlv.ac.uk/staff/services/strategy\\_governance\\_unit/university\\_strategic\\_plan\\_2012/sub\\_and\\_enabling\\_strategies.aspx](http://www.wlv.ac.uk/staff/services/strategy_governance_unit/university_strategic_plan_2012/sub_and_enabling_strategies.aspx)

#### Sustainability Team

Presently the University has a small team of experts that move the sustainability agenda forward. The team consists of

- Energy Manager
- Environment & Services Manager
- Transport & Travel Co-ordinator

The Energy Manager is principally responsible for the technical aspects and the measurement of the carbon management programme and is supported by the Environment & Services Manager who develops the energy awareness programmes and harnesses support through the Energy and Environmental Champions. The Environment & Services Manager also picks up responsibility for the delivery of the environmental management system and progress of the sustainability action plan. This year the Transport Manager's role was

refocused to include travel coordination in keeping with the University's Travel Plan objectives. In many other universities, there is significant staffing resource provided for the development and delivery of their sustainability agenda. At Wolverhampton, this has not been possible, and we need to look at more creative ways of providing resources to match specific objectives. This may mean the use of internships or students on environment management courses conducting project work on our behalf. Such a method is in keeping with the university's ethos of developing and adding value to a student's experience in a work place setting.

#### Policies and Documents

As stated earlier much of the year was taken up by the development of the sustainability enabling strategy. Over the last 12 months the following additional documents were developed and approved:

- Annual review of the Sustainability and Environment Policy
- Ethical Investment Policy
- Discharges and Emissions Review and Audit Report

Progress is also being made on the proposal to develop a formal Sustainability Fund, the purpose of which is to provide funding for initiatives devised and led by either staff or students that promote and grow the awareness of and engagement in the university community with the sustainability agenda.

## Major Achievements



### Green League 2011-13 – analysis of University's performance

Sustainability is on the agenda of students. The Independent's Complete Universities Guide have advised that in 2012, the 'green ranking' they introduced using the Green League results was the 5th most popular 'ranking' search out of 12 other 'ranking' terms they use. Their site receives well over 500,000 unique hits from prospective students each year so we cannot ignore the fact that students, who pay a significant amount to study at University, are watching how institutions are performing in this regard.



In 2011 the University achieved a 2:2 classification, was ranked 80th in the league table and scored 29/70, (16 points on policy and 13 points on performance).

In 2012 the University received a 2:1 classification, rising 27 places to 53rd, with a score of 38 points, (19 on policy and 19 on performance). Wolverhampton was only 2 points adrift from receiving a 1st class honours.

In 2012 Wolverhampton University was one of the highest green league climbers and in terms of environmental performance, which is the real mark of improvement, we were on a level with Nottingham Trent (positioned 5th) and better than Gloucestershire (positioned 4th).

In 2013 the University exceeded its own expectations and was awarded a first class honours in the Green League, moving us to 39th position with a total score of 42.5 points, (20.5 on policy and 22 on performance).

People and Planet had already advised that as universities have improved their overall progress against the indicators they set, the criteria will be fundamentally changed. It is likely that from 2014, the emphasis will move towards sustainability in the curriculum, scope 3 emissions carbon management, ethical food and procurement. In most of these areas Wolverhampton still has a lot of work to do.

## Comparison of performance with other regional universities in the Green League

Class	University	Policy	Performance	Total	+/-	Rank 2013	Rank 2012	Rank 2011	Rank 2010
1st	Nottingham Trent	34	21	55	+12.5	7	5	1	5=
1st	Aston	31	20	51	+8.5	12	10=	12	5=
1st	Staffordshire	27.5	20	48	+5.5	16	31	40	104
1st	Birmingham City	25	19	45.5	+3	27	26=	53	29
1st	De Montfort	24	21	44.5	+2	30	16	14	34
1st	Harper Adams	27.5	13	44	+1.5	31	38	n/a	n/a
1st	Wolverhampton	20.5	22	42.5	0	39=	53=	80	126
1st	Coventry	25	19	42	-0.5	43	26=	41	53
2:1	Keele	26.5	13	37.5	-5	59=	64	63	82
2:1	Loughborough	28.5	10	37.5	-5	59=	52	57	34
2:1	Nottingham	27.5	11	35	-7.5	70=	57	83	53
2:2	Leicester	25.5	8	30	-12.5	96	89	83	77
2:2	Birmingham	21.5	12	29	-13.5	105	89	73	34
3rd	Warwick	25.5	9	27.5	-15	113	104	100	65

## British Heart Foundation Recycling Scheme

Throughout 2012 the University, the Students' Union and Accommodation Operations worked together to engage with students in student accommodation to recycle and donate unwanted clothing, goods and accessories to the British Heart Foundation. The programme was ambitious and included private sector halls and private sector housing. Clothes and book banks were positioned on each campus and bags distributed to student rooms. A total of 516 bags of stock were collected in total with an average bag weight of 4 kilos. Therefore, the return tonnage for the campaign was 2 tonne. Using an

average bag value of £8.20, a value of £4231.20 was raised from the stock donated in this campaign. This campaign continues in 2013.

In addition the University have run a Bagathon specifically targeted at staff, collecting 200 bags over a 3 day period and a BHF Shoe Amnesty as part of Green Week activities. The amount of shoes collected in just one week amounted to 107 pairs. For the British Heart Foundation this means that they obtain good quality stock for their shops and raise much needed funds for materials and equipment.



# Carbon Management

Through its Carbon Management Plan, the University has set itself some key targets in relation to carbon reduction:

- o To reduce the University carbon footprint by 40% by 2020, using the HEFCE starting point baseline year 2005/6.
- o To achieve the HEFCE carbon emission savings – 25% carbon emission savings by 2015 and a further 15% by 2020 (total 40%).
- o To reduce CO<sub>2</sub> emissions annually and achieve a total 'value at stake' saving of 4.7 million kgCO<sub>2</sub> by 2014/15, which equates to 4700 tonnes of CO<sub>2</sub>
- o To achieve a total 'value at stake' cost saving of £1.6m by 2014/15

Overall progress against targets has been good and the data demonstrates that the University continues to make year-on-year CO<sub>2</sub> reductions. These figures outline the

progress against the University's Carbon Management Plan, both in terms of financial and CO<sub>2</sub> reductions, to the year ending July 2011 (the latest full year's data available). The values in Table 1 demonstrate that we have made excellent progress this year and we have significantly improved upon our 5% reduction target for 2010/2011, with an actual reduction of 11%. This has exceeded the expected CO<sub>2</sub> reductions in 2010/11 and delivered an overall reduction target of 25% against our baseline year 2007/8 earlier than expected.

As this is the second year, information has been formally reported as a KPI, data for two academic years is presented below. The Carbon Management Plan (CMP) was approved in February 2010; baseline data is shown for both the HEFCE baseline of 2005/06 and it also shows the University's CMP baseline year 2007/8.

	Total Target Emission Reductions (kg CO <sub>2</sub> )		
	Target	Actual	Variance
HEFCE Baseline (2005/6)	17,527,000		
UoW Baseline (2007/8)	16,746,000		
2008/9	15,810,072	16,396,875	+1.9%
2009/10	14,926,092	15,999,713	-0.01%
2010/11	14,094,000	12,585,000	-11%
Cumulative CO <sub>2</sub> saving to date		4,161,000	

Total Target Cost Savings (£)		
Target	Actual	Variance
N/A		
£2,751,313		
£2,815,668	£2,785,096	-1.4%
£2,881,529	£2,607,043	- 3.8%
	12,585,000	-11%
£2,818,550		
£2,653,546		
6.0%		
Cumulative Financial Saving to date	£97,767	

Source Information: Estates Management Statistics (EMS) return to the Higher Education Statistics Agency (HESA) covering the periods August 2008 to July 2009, August 2009 to July 2010 and August 2010 to July 2011.

The University has also received recognition for its continuing commitment to reduce carbon emissions. In the first Carbon Reduction Commitment (CRC) league table, for Further and Higher education institutions published November 2011, Wolverhampton was ranked 57th out of 128 higher education institutions. The full Public League Table is at [www.environment-agency.gov.uk/business/topics/pollution/134754.aspx](http://www.environment-agency.gov.uk/business/topics/pollution/134754.aspx).

The University has completed a number of energy reduction projects.

## Voltage optimisation

Voltage optimisation is a term given to the systematic controlled reduction in the voltages received by an energy consumer to reduce energy use, power demand and reactive power demand. While some voltage 'optimisation' devices have a fixed voltage adjustment, others electronically regulate the voltage automatically. Voltage optimisation systems are typically installed in series with the mains electrical supply to a building, allowing all its electrical equipment to benefit from an optimised supply.

These systems have recently been installed in MK Building, MA Building and Randall Lines student accommodation, the estimated annual savings are 456,725kWh, equivalent to £45,672 and a carbon reduction of 312 tCO<sub>2</sub> p.a. The calculated payback period is 4.46 years.

## Combined Heat and Power Plant at City South

A Combined Heat and Power Plant was installed and commissioned during 2012/13 that will generate significant energy efficiencies and deliver a reduction of 1000 tCO<sub>2</sub>. The project cost is £1.6Million and the calculated payback is 6.2 years

## Photovoltaic demonstrator project

The installation of Photovoltaic arrays on the MD Roof is undertaken as a demonstrator project rather than a key carbon saver. 'Suntech 20kW' is costed at £30,250 and offers a return on investment in year one of 13.34%. On that basis, the system will pay itself back in 7.5 years. To date it has generated 5.07mWh and saved 2.8 tonnes of CO<sub>2</sub> and a total estimated saving of 80tCO<sub>2</sub>.

## LED Light replacement

The University has successfully bid to the Revolving Green Fund for £500,000 for the improvement to internal and external lighting provision within the university. This will see the transfer of lighting systems to LED technology and automation of lighting systems which will have a payback period of 6.29 years and generate estimate carbon savings of 449.8tCO<sub>2</sub>

# Waste Management

The University has continued to improve its waste management profile, evidenced by its performance in collection rates over the last five years.

	2007/8		2008/9		2009/10		2010/11		2011/12	
	Tonnes	%								
Recycled	257	12.3	230	11.1	322	17.8	1371	80.8	1184	79.6
Energy from Waste									112	7.5
Incinerated	25	1.2	8	0.4	6	0.3	6	0.4	5	0.3
Landfill	1802	86.5	1832	88.5	1478	81.9	318	18.8	186	12.5
<b>Total</b>	<b>2084</b>	<b>100</b>	<b>2069</b>	<b>100</b>	<b>1806</b>	<b>100</b>	<b>1695</b>	<b>100</b>	<b>1486</b>	<b>100</b>

The University now recycles 87.1% of its total waste and we are continuing to work towards a zero waste to landfill principle. Our waste figures are more accurate and the reduction in overall tonnage reflects the reduced footprint within the university, reduced procurement and a greater consideration of how existing resources can be used through reuse and adaptation. There has been a greater emphasis on reusing existing resources available and this is evident in the redistribution of office furniture and equipment; a scheme managed centrally through the Estates & Facilities Directorate. This scheme has saved the University significant expenditure in disposal costs and ensured a greater utilisation of all furniture elements during renovation and refurbishment projects.

Although all university waste goes through a Mixed Recycling Facility and gets separated out, it is still incumbent on the University to embed sustainability behaviours within our community by providing recycling bins and systems to encourage users to make the right choice at the point of disposal.

During 2011/12 we developed a recycling implementation plan to underpin the proposals of the university recycling strategy. The key principles of the plan are

- Provision of waste stations in all buildings
- Consultation with stakeholders on the location of waste stations
- The introduction of self-emptying of office bins

The rationale behind such a move is to encourage greater separation of waste at source, improve the quality of the recyclates collected and ultimately to save waste lift costs through reducing the number of general waste lifts and increasing the number of recycling waste lifts by the external contractor. Although much of the waste generated is within staff areas, the provision of waste stations in and around lecture rooms engages the student community with the university's environmental philosophy and helps to develop behaviour change through choice and ease of use. Full implementation has now successfully taken place at the Telford Innovation Campus, with City and Walsall about 40% complete.

# Community

## Students' Union

The Students' Union has continued to invest time and effort into growing its environmental activities. Having successfully achieved the Silver Standard at the Green Impact awards it raised the bar by also being voted The Overall Most Improved Students' Union 2012. A strong partnership is now established with the University where we work together on environmental issues. This is evidenced by the joint organisation of Green Week, recycling initiatives and collaboration in the development of environmental funding proposals such as the NUS Green Fund.

Following active lobbying by the Students' Union the university has now installed over 30 water coolers throughout the University campuses.

Wolves SU was selected as one of 18 unions to take part in the national two-year project run by NUS, during which they are expected to create an allotment on site and recruit a student eats society to grow and maintain crops on the allotment.

Half of the crops that are grown will be shared between the society members, and half will be sold to students at an affordable price. Any sales from the crops will go back into planting more fruit, veg and herbs later in the year. Planting has already commenced and University staff are also participating in scheme.





**Fairtrade**

Each year the University celebrates Fairtrade Fortnight with activities and stalls across the campuses. There is always the Annual Fairtrade 5 A-side football competition for both staff and students and we offered everyone the opportunity to enjoy a Fairtrade breakfast in the dining halls, with special offers also promoted on Fairtrade food items.

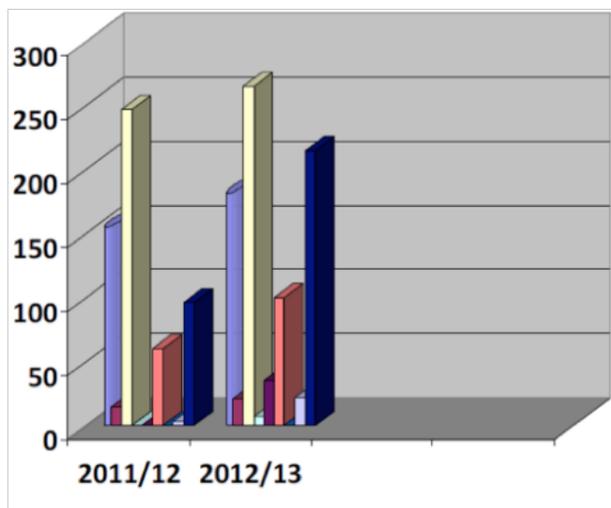
This year the Fairtrade film club was launched at the Performance Hub in Walsall Campus. Students were also encouraged to enter a 'Fairtrade 21&proud' essay competition to encourage individuals to think about and write on what fair trade means to them' (see football photo and also 2013 Fairtrade logo on WLV insider).

- 23/9/12 - Email addresses given to Student Switch Off
- 5/10/12 - Students attended Training Session
- 9/10/12 - Students signed up to the Student Switch Off Pledge
- 10/10/12 -First Photo Competition - Student Saving Energy
- 29/10/12 -Second Photo Competition - Student who put lids on thei Cooking Pans
- 7/11/12 - Climate Change Quiz
- 14/11/12 -Student Switch Off walking around City & Walsall to sign up new students
- 26/11/12 -Third Photo Competition - Students boiling the kettle with amount of water required
- 28/1/12 - Students signed up to Student Switch Off Facebook Pages

**Events**

**Student Switch OFF**

This year Student Switch Off, an inter halls competition for energy saving, has operated more successfully, generating active engagement with students in accommodation. The energy analysis for 2012/13 showed an average of 5% reduction in electricity usage in October, November and February. This saved a total of 26,208 kWh, approximately £2097 in electricity expenditure (assuming a typical expenditure of 8p/kWh) and over 14 tonnes of CO<sub>2</sub>.



**Annual Green Week**

**Green Week 2012** featured an 'energy-bike', situated in the Students' Union reception for a day, which students could use to charge their mobile phones. Students assembled bat and bird boxes which will be placed around campuses to encourage biodiversity. The Union co-ordinated meat-free stalls with a local vegan group, tea and coffee tasting to find out if students preferred Fairtrade drinks, Fairtrade snack samples, kindly donated by the Co-operative, a sustainability film screening, green-themed quizzes and a debate, recycled Valentine's card workshops, environmental and ethical information stalls and petitions with local groups and Union societies and recycling for stamps and batteries.

**Green Week 2013** ran a theme where it asked students to take small steps to change their behaviour for the benefit of the environment. In addition to vegan and fair trade stalls, a hall recycling competition, the shoe amnesty and online green quiz, the theme asked staff and students to pledge to change their behaviour for at least one month. Individuals could choose from one or many pledges, large or small. The pledges were run through the 'Do Nation' website. By the end of Green Week we achieved our target number of pledges and made an estimated carbon saving of 1,440KgCO<sub>2</sub>.

University of Wolverhampton  
Students' Union  
**GREEN WEEK**

**take a small step.**

- Take the stairs instead of the lift
- Recycle! It's easy - we've got recycle bins throughout the Union
- Switch off lights when leaving a room
- Hand assignments in online - saves paper, AND printing costs!

@wolvesunion.org @wolvesunion.org/facebook @wolvesunion.org/twitter

### Student Accommodation Recycling Pilot

In association with the Environment Officer for the Students' Union, the University conducted a three week trial of waste separation at source across 26 kitchens within student accommodation. The trial offered an incentive scheme to encourage participation; it monitored the quality of the recycled output and surveyed students to identify support levels for recycling and any improvements that could be made to the pilot scheme. Some kitchens were better at separating waste than others but on the whole the impression was that most students made an effort. An e-survey was sent to all participating students to seek their views. The findings were:

- o Over 94% of students separated their waste
- o 42% agreed the recycling was easy to do
- o Over 93% stated that a reward made no difference to their participation
- o 100% agreed that all student kitchens should have recycling bins
- o Over 60% believed it would have been easier with a larger extra bin
- o Over 20% agreed that recycling should be offered in lecture rooms and many other areas within the university

As a consequence of this pilot, the University rolled out recycling facilities to all ensuite accommodation at City and all student residences at Walsall and Telford campuses

### Other developments

#### MSC Projects

This year we have worked with the academic tutor on both the MSC Environment Technology and Environment Management courses to have 3 students conduct environment projects in relation to waste management, Green Impact in the Students' Union and Corporate Social Responsibility from which we will look at their recommendations with a view to implementing them within the University. This initiative provides Masters students with the opportunity to look at a specialist environmental subject within a live business setting and produce a report of their findings.

#### Course lecture

The Environment & Services Manager annually attends as a guest lecturer on the Global Sustainability module to present to students what the university is doing on sustainability in practice and what it has achieved

#### Electric car charging points

This year the University took advantage of government funding and installed electric car charging points at each of its main campus bases. The scheme is part of a government wide initiative to provide the necessary charging infrastructure for electric vehicles.

#### Video project

One of the key issues for engaging the university community is marketing and communication. In this age of social media, we decided to develop a series of video shorts that will cover key aspects of what is happening at the university but also what as an individual, staff and students can do to live and work more sustainably. The series includes video shorts on Green Week, Transport, Lifestyle, Waste Matters to name but a few. These videos will be used on web pages and at University events such as Open Days to promote more widely our sustainability message.

# Targets and Objectives review

The University has achieved most of the targets and objectives set in 2011/12 and the out turn is shown in Appendix One.

A new set of targets and objectives are approved for the forthcoming year and these are shown in Appendix Two. The next Environmental report will be published in September 2014

### Review of progress against Targets & Objectives 2012/13

#### Appendix 1

	ASPECT	OBJECTIVE	TARGET	UPDATE
1.	Energy and Emissions	To reduce the University's carbon dioxide emissions and associated environmental impacts  To undertake an environmental audit of the University's emissions	To reduce our CO <sub>2</sub> emissions from energy, waste and internal transport by 25% by 2015 from a 2007/8 baseline, with 43% by 2020.  Assessment completed and action plan developed	Completed  Completed March 2013, awaiting final sign off by campus Committee
2.	Electricity Use	To develop energy & environmental awareness amongst staff and students	To run energy awareness campaigns over a 5 year period, (CMP Action Plan).  Programme of awareness campaign activity developed for forthcoming year  Student switch off campaign run in student accommodation	Completed  Completed  Completed
3.	Waste	To increase the amount of waste to be recycled and diverted from landfill  To implement university recycling strategy	To achieve a 85 % recycling rate and zero landfill rate for the main waste contract by diverting to Energy from Waste options  Self-empty bin systems & waste stations in place across all campuses	Completed for recycling rate. Zero waste to Landfill target is on-going  Partially completed, 60% of university remains outstanding

	ASPECT	OBJECTIVE	TARGET	UPDATE
4.	Waste (cont)	To develop waste recycling initiatives within halls of residence  Establish recycling route for mattress and duvet waste	Creation of recycling forum with Students' Union and develop pilot schemes  Contract in place in time for end of academic year	Partially completed Pilot conducted and recycling implemented in all ensuite halls  Completed
5.	Paper use	To reduce the amount of paper used in creation of letterheads, and forms	Cessation of pre-printed letterheads agreed as policy IT services to develop restricted electronic templates as substitutes	Not completed This is on Hold as ITS staff member engaged in the project is no longer in ITS and has changed roles, and since then PSU have been in review.
6.	Construction	To ensure the design, procurement and construction of the proposed Science Facility at City Campus minimises the environmental impact of the building as far as practical within budget constraints	To ensure that the feasibility study of this project has considered and budgeted for BREEAM rated, target minimum "very good"	Completed and on-going
7.	Procurement	To minimise the environmental impact of both the university's and supplier's supply chain	a) To discourage hard copy documents / advertising literature from current/prospective suppliers  b) To encourage the use of local suppliers (where appropriate) in order to help reduce CO <sub>2</sub> emissions by reducing the carbon footprint of our suppliers and their supply chains	On- going  On- going
8.	Procurement (continued)	To minimise the environmental impact of procurement processes  To minimise the environmental impact of procurement behaviour (operational aspects - training)	c) To review key contracts and explore the opportunities with a view to reducing the frequency of deliveries made by the suppliers (for example: stationery / cleaning materials / catering contracts) To actively encourage the increased use of e-procurement and e-communications  a) Increased use of webinars for the purpose of procurement training, events and knowledge updates (as opposed to face to face meetings)  b) increased use of telephone/video conference calls versus travelling to meetings unnecessarily	On- going  On- going  On- going  On- going

## Review of progress against Targets & Objectives 2012/13

### Appendix 1

	ASPECT	OBJECTIVE	TARGET	UPDATE
9.	Transport	To assess current vehicle stock, replace two older Volvo's with one off, smaller vehicle. Review bus schedules to ensure they are, fit for purpose, customer focused and sustainable  Develop, publicise and promote car sharing amongst staff through existing local provision (Local Authority)  Install electric vehicle plug in points across all campuses	Business case to be produced and submitted to Finance  Consultation process with key stakeholders  Negotiation with local councils and provision of 12 shared spaces at City and Walsall campuses  2 charging bays provided on each campus	Completed  Completed  Not completed- carry forward to 2013/14  Completed
10.	Training	To develop sustainable and environmental on line induction programme for university staff  Provision of training of all SECMG members	Using blended learning to produce 10 minute induction package accessible to all staff  Awareness training by March 2012	Partially completed- continue through to 2013/14  Not completed
11.	Water	To reduce specific water consumption for showering  To undertake a review and audit of water consumption for all campuses  To install water saving devices on urinal systems	Conduct Change behaviour programme using Shower timers in Halls accommodation. To seek a 25% reduction in shower times  To identify areas for potential reduction  Installed in 15 washrooms	Carried forward to 2013/14  Not completed carry forward to 2013./14  Completed
12.	Transport	Shelters for hedgehogs, ladybirds and insects	Create and install 8 shelters in selected areas and monitor usage	Partially completed – no monitoring conducted (resources)

## Environmental Objectives and Targets 2013/2014

## Appendix 2

	ASPECT	OBJECTIVE	TARGET	TIMESCALE
1.	Energy and Emissions	To reduce the University's carbon dioxide emissions and associated environmental impacts  To quantify emissions from Art & Design Courses, MK Building	To reduce our CO <sub>2</sub> emissions from energy, waste and internal transport by 25% by 2015 from a 2007/8 baseline, with 43% by 2020.  Baseline established and monitoring system put in place	Proportionate decrease by July 2014  January 2014
2.	Electricity Use	To develop energy & environmental awareness amongst staff and students	To run energy awareness campaigns over a 5 year period, (CMP Action Plan).  Programme of awareness campaign activity developed for forthcoming year  Student switch off campaign run in student accommodation	August 2013 – July 2014  August 2013 – July 2014  October 2013 – March 2014
3.	Waste	To reduce food waste through the Love Food Hate Waste brand  Promote and increase self-emptying bin system at City & Walsall campuses  To promote recycling in halls with better use of publicity and competition  Draft food waste strategy and pilot collection scheme	To conduct food waste surveys before and after campaign intervention, seek a 15-20% reduction in food waste  Action plan developed and promoted across the two campuses 85% take up to be targeted  Creation of recycling forum with Students' Union and develop material and competition types  Pilot conducted and assessed at major catering outlet on one campus	From November 2013 – January 2014  September 2013- March 2014  November 2013  May 2014
4.	Construction	To ensure the design, procurement and construction of the proposed Science Facility at City Campus minimises the environmental impact of the building as far as practical within budget constraints	To ensure that the feasibility study of this project has considered and budgeted for BREEAM rated, target minimum "very good"	December 2013 onwards

## Environmental Objectives and Targets 2013/2014

## Appendix 2

	ASPECT	OBJECTIVE	TARGET	TIMESCALE
5.	Procurement	Energy supply contracts to be sourced using renewable energy supplies  To purchase products in line with the Soil Association guidelines in relation to meat, fish and eggs	Applies to main electricity supply contract, with supporting evidence obtained  Pilot conducted for all hospitality based purchases and costs/ quality evaluated	August 2013 – July 2014  September 2013 – March 2014
6.	Transport	Review bus schedules to ensure they are, fit for purpose, customer focused and sustainable  Sign up to the Wolverhampton City Council Car Share Scheme, to which the University are already registered.  Develop, publicise and promote car sharing amongst staff through existing local provision (Local Authority)	Consultation process with key stakeholders  Site connection live and running in Autumn with 50+ staff members making use of it  Negotiate with local councils and provision of 12 shared spaces at City and Walsall campuses	March-Sept 2014  September 2013 onwards  Sept-April 2014
7.	Training	To develop sustainable and environmental on line induction programme for university staff  Short development programme for Energy and Environment Champions	Using blended learning to produce 10 minute induction package accessible to all staff  Series of 4 sessions completed on specific topics	Programme tested by April 2014  September – March 2014
8.	Water	To reduce specific water consumption for showering  To undertake a review and audit of water consumption for all campuses	Conduct Change behaviour programme using Shower timers in Halls accommodation. To seek a 25% reduction in shower times  To identify areas for potential reduction	November – February 2014  March 2014
9.	Biodiversity	Create wild flower meadow at Telford campus to increase habitat for butterflies and bees	Area identified, prepared and maintenance scheduled established	By March 2014