



University of the
West of England

Sustainability Strategy 2008 – 2012

2011/2012 Annual Internal Audit Report

Final (March 2013)

Contents

	Page
1 Introduction	4
2 Performance against Our Sustainability Vision	5
3 Leadership and Management of Sustainability at UWE	6
3.1 Sustainability Risk Management	6
3.2 Communication on sustainability issues and principles with staff, students and other stakeholders	7
3.3 Embedding sustainability at Senior Management and Governor level	9
3.4 Training and development of staff, senior management and Governors	10
3.5 Auditing, reviewing and reporting of performance	11
	13
4 Management of Sustainability Impact Areas	
4.1 Education for Sustainable Development (ESD)	13
4.2 Carbon and Air Quality Management	17
4.3 Sustainable Travel	20
4.4 Natural Resource Use	22
4.5 Sustainable Procurement	25
4.6 Waste	27
4.7 Biodiversity	30
4.8 Healthy University	31
4.9 Community Investment	34
4.10 Staff and Student Engagement	36
4.11 Construction and Refurbishment	40
4.12 Ethical Investment	43
4.13 Emissions and Discharges	44
4.14 Sustainable Food	45

Foreword

This final report on the 2008 – 2012 Sustainability Strategy shows how the University has continually improved its sustainability performance over the last 5 years, and how we are in a strong position to move forward with the implementation of our 2020 Sustainability Plan.

We are proud to celebrate a number of significant successes including being ranked 3rd Greenest UK University, winning a Green Gown for continuous improvement, establishing our University bus network, building of a BREEAM excellent building and beginning to embed sustainability into our teaching and learning amongst many other achievements.

Our students and staff have engaged in the sustainability journey and our successes can be attributed to the support and commitment that they have given. We recognise that we still have a journey ahead of us before we can claim that we are a Sustainable University. The delivery of the 2008-2012 plan has put sustainability firmly on the agenda at UWE.






James Longhurst
Assistant Vice-Chancellor (Environment and Sustainability)
March 2013

1 Introduction

This is the annual report for the Sustainability Strategy 2008-2012 covering the period August 2011 to December 2012. The purpose of the report is to report on progress against the objectives and KPIs contained within the Sustainability Strategy.

This report has been written for the Sustainability Board, chaired by the Deputy Vice Chancellor. The report is publicly available on the UWE Sustainability website.

The traffic light indicators highlight:

-  KPI / Objective achieved
-  Good progress has been made towards achieving the KPI / Objective
-  Limited progress has been made towards achieving the KPI / Objective

Any comments on this report are to be directed to sustainability@uwe.ac.uk

2 Performance against Our Sustainability Vision

The Vision

By 2012 UWE will be recognised by its students, staff and wider stakeholders as one of the leading universities in the UK for its sustainability performance

How are we doing?

- In 2008 we were 3rd in the People and Planet Green League.
- In 2009 we were shortlisted in the Times Higher awards for Outstanding Contribution to Sustainable Development.
- In 2010 we won a sector Green Gown for Continuous Improvement: Institutional Change.
- In 2011 UWE's Student's Union achieved a Gold Standard in the Green Impact Awards
- In 2011 the Ulink bus service won most effective Travel Plan measure in the West of England
- In 2011 we were shortlisted for a Green Gown for Sustainable Construction (R2 Building)
- In 2011 we won a Times Higher award for Best Procurement Team
- In 2011 and 2012 we won the best Fairtrade outlet for the South West
- In 2012 we won Travel West most Cycle Friendly Employer award

This is the final report for the 2008 – 2012 Sustainability Strategy. The University has come a long way over the last five years as demonstrated by the awards we have won. We have achieved our vision by pursuing a holistic approach to sustainability which has meant that we have performed well in most areas.






UWE was one of the early movers in the management of Sustainability, and now many other institutions are following the same holistic approach that UWE has historically gained recognition for. This means that moving forward UWE may struggle to stand out from other institutions unless it achieves a top 3 place in the Green League and/or the new Learning in Future Environments index.

This will be the challenge for the 2013-2020 Sustainability Plan.

3 Leadership and Management of Sustainability at UWE







3.1 Sustainability Risk Management (section 2.1 of the Sustainability Strategy)

Aim: to identify and understand UWE’s sustainability risks and develop and implement a system for managing them.

Objectives	Dec 2012 Position	
Complete an environmental review of UWE by 2009 and include significant aspects in the UWE risk register	<ul style="list-style-type: none"> • Complete • An environmental review has been completed as part of the ISO14001 process. This document is reviewed and externally audited annually. • UWE’s Corporate Social Responsibility Performance is included in the risk register rather than individual aspects. 	
Develop a register of environmental legislation by 2009 and comply with all legislative requirements	<ul style="list-style-type: none"> • Complete • Register of legislation completed as part of ISO14001 process. This document is reviewed and externally audited annually. • Compliance with the register of legislation has been assessed and an action plan is in place to ensure full compliance with current and future legislation. 	
By 2010 develop and implement a sustainability programme for each faculty and large service	<ul style="list-style-type: none"> • Complete • Each faculty and large service undertake a programme of actions, which have been developed with local coordinators and champions. 	
Continue to follow the process of ISO14001	<ul style="list-style-type: none"> • On-going • UWE is following the step by step BS8555 pathway to ISO14001 along with several other universities. We achieved phase 3 (of 5) in January 2012. 	
KPI		
To achieve ISO14001 in at least one Faculty or department by 2012	UWE has made good progress towards ISO14001, however we have missed to 2012 target. This is likely to be achieved in 2013/14.	
ACTIONS FOR 2020 Plan	Continue the implementation of BS8555 achieving ISO14001 in 2013/14	

3.2 Communication on sustainability issues and principles with staff, students and other stakeholders (section 2.2 of the Sustainability Strategy)

Aim: to ensure all students, staff and stakeholders have the opportunity to contribute towards improving UWE's sustainability performance.

Objectives	Dec 2012 Position	
All students and new staff to receive information about sustainability as part of their induction	Staff induction is complete <ul style="list-style-type: none"> All new staff should attend the UWE welcome induction where there is a 15 minute interactive presentation on sustainability. New staff will also receive a faculty / service specific induction during which the inductor will go through a sustainability checklist with the new member of staff. 	
	Student induction is ongoing <ul style="list-style-type: none"> A student induction checklist has been created and has been delivered to many students, but it is not possible to say that it has 100% coverage 	
Faculty and service working groups to be empowered to drive change in their areas	Completed <ul style="list-style-type: none"> Each faculty and service has a Sustainability coordinator and group of champions who have delivered change in their areas, specifically focussing on their unique contributions. 	
Implement an internal Green Cape Award to incentivise staff and students	Adapted and completed <ul style="list-style-type: none"> Decided to merge this award into the annual UWE Better Together Awards. The Sustainability Team nominates a member of staff or a student for a better together award. It is hoped to have a specific category for Sustainability in the future 	
Each faculty and service to identify a person responsible for communication on sustainability issues	Complete <ul style="list-style-type: none"> Each faculty and service has a sustainability coordinator who leads on the dissemination of sustainability information and chairs termly champions meetings. 	
UWE's sustainability activities will be shared with the wider community and HE sector	Work to do here <ul style="list-style-type: none"> We can do more to communicate widely our progress outside of the HE sector. There has been some work in this area but it would be inaccurate to say we are performing well. 	

KPI

Original:

By 2008/9 academic year all staff and students will be aware of the UWE sustainability strategy and how they can contribute

Revised KPI (2011)

By 2012 all UWE staff and students will receive sustainability at UWE induction.

Work to do here

- We can further integrate the UWE sustainability message within the overall UWE brand. Recent improvements have included links from the 'why UWE' web page to the sustainability pages, giving us a higher profile.
- We specifically have much work to do to engage the wider student body.
- We do deliver an annual week long sustainability week with events held in high profile/footfall areas of the University







ACTIONS FOR 2020 Plan

Develop and implement a communications and engagement plan, including maximising the use of social media.






3.3 Embedding sustainability at Senior Management and Governor level (Section 2.3 in the sustainability strategy)

Aim: Strategic responsibilities and accountability for sustainability aspects to be identified and included in senior role descriptions

Objectives	Dec 2012 Position	
Sustainability to be embedded in the portfolios of senior management	<ul style="list-style-type: none"> • Deputy Vice Chancellor responsible for overall Leadership for Sustainability at UWE • Seconded Part-Time AVC position for Environment and Sustainability with responsibility for ESD • Assistant Vice Chancellor for Partnerships, Diversity and Civic Engagement. • Director of Facilities responsible for Operational Sustainability 	
Sustainability to be embedded in the portfolio of the Board of Governors and Academic Board.	<ul style="list-style-type: none"> • Annual reporting to Board of Governors on sustainability and CSR performance. • Specific responsibilities of Board members in relation to sustainability are not fully identified. 	
Sustainability aspects to be included in faculty and service planning, and progress reported annually to Faculty Board	<p>Partially there</p> <ul style="list-style-type: none"> • All faculties and large services have a sustainability programme • This is not yet embedded in service planning. We are currently reviewing as to whether this formal approach is actually necessary. • A review of the success of the faculty/service programmes is currently being written. 	
KPI		
By 2009, annual reporting on sustainability performance to Academic Board, or other relevant committees, by all faculties and services.	<p>Not there yet</p> <ul style="list-style-type: none"> • A report on the success of the faculty/service plans is to be written in 2012. 	
ACTIONS FOR 2020 Plan	<p>Complete reporting for each faculty and service against their sustainability plan. Review the local level sustainability action plans to make them more engaging</p>	

3.5 Auditing, reviewing and reporting of performance (section 2.5 in the sustainability strategy)

AIM: to develop and implement a robust process of assessing UWE's sustainability performance against sector standards and best practice.

Objectives	Dec 2012 Position	
Continued participation in the Business in the Community Corporate Responsibility Index	<p>Achieved</p> <ul style="list-style-type: none"> We completed this index for the last from 2008 to 2010 before the sector decided against its use in 2011. The sector has now moved away from the BITC index to a new sector specific index called the Learning in Future Environments (LiFE) index. UWE is appraising the value of this index before deciding to participate. 	
Develop and implement a process of internal auditing of faculty and service sustainability performance	<p>More work needed here</p> <ul style="list-style-type: none"> Each faculty and service has a sustainability plan which they have been implementing for the last 2-3 years. Partial reviewing of these plans has been achieved. 	
Participate in the University Sector sustainability peer review process	This sector level programme did not get off the ground	n/a
Achieve at least one Green Gown Award	<p>Achieved</p> <ul style="list-style-type: none"> UWE won its first Green Gown Award in June 2010 in the category Continuous Improvement: Institutional Change. We were shortlisted for a second Green Gown in 2011 for Sustainable Construction for R2 Building 	
Biennially publish a sustainability report (2009 and 2011) reviewing progress against the sustainability strategy	Achieved, we will produce these annually from 2011.	
KPI		
Original Annual Improvement in the BITC CR index, achieving 70% by	<ul style="list-style-type: none"> Achieved original KPI On target to achieve revised KPI, albeit in the LiFE index. However, the precise content of this new index is unknown at present. 	

2012

Revised

Achieve BITC CR
index score of 85%
in 2012 index

ACTIONS FOR 2020 Review the benefit of the new LiFE scheme and
Plan consider participating in 2012

4 Management of Sustainability Impact Areas

4.1 Education for Sustainable Development (ESD) (section 3.1 in the sustainability strategy)

Objectives

Dec 2012 Position

In 2008 establish an Education for Sustainable Development group.

Revised KPI

By start of 2011/12, Heads of Department to nominate a member of their staff to develop the ESD agenda within the department and support liaison with faculty sustainability committees.

By start of 2011/12, Knowledge Exchange for Sustainability Education core membership to comprise departmental nominees.

KESE continues to be an active group with a large university wide virtual membership who are updated and informed of interesting and important developments or opportunities for action via the KESE SharePoint site. A core planning group oversees the implementation of the ESD Action Plan. The core group meets monthly to review current progress with the plan, identify issues requiring additional action and to promote exchanges of good practice in ESD.

All staff are able to engage in KESE but in order to meet this revised KPI a Departmental nominated contact has been identified by the Associate Dean (Learning, Teaching and Student Experience) in each of the four faculties of the university. This two way interaction between KESE and the Departments is organised through the KESE SharePoint site.

The KESE core planning group makes available its agenda, action notes and supporting papers to all KESE members thereby providing an effective and efficient communication channel between Departments and KESE.

ESD activities routinely form part of the teaching and learning business of the University and KESE activities are reported to University and Faculty committees as well as to the Sustainability Board.

The KESE SharePoint site continues to provide a range of resources to support staff in their engagement with students on the topic of sustainable development.

By 2010 all undergraduate students to be

There is a widespread engagement of UG programmes in the subject of sustainable development. This engagement is either introductory or specialised according to the specific

exposed to the context of sustainable development for their professional lives through their degree courses or obligatory ancillary learning such as the Graduate Development Programme (GDP).

Revised KPI

By end of 2011/2012, all undergraduate programmes to report to the relevant Academic Standards and Quality Committee on how they are addressing ESD within the programme.

needs of the individual programme. In every Department of the University there are modules exposing students to some or all of the context of sustainable development. The presence of sustainable development in the curricula of two faculties has been reinforced through Curriculum Refresh activities in 2011/12.

The 2011/12 population of UWE FTE undergraduates that have been exposed to the context of sustainable development in their programme of study will be announced at the ESD Day in April 2013. The 2012/13 HoD survey results will also be released at this meeting.

Departmental reports to the relevant Academic Standards and Quality Committee, where appropriate, may comment on ESD. The revised University Quality Management and Enhancement Framework being introduced in 2013 will include specific requirements to identify ESD within reports.

During 2012 work commenced on a university funded project to develop an on-line SD learning resource for all students.

By 2010 all postgraduate students to have the opportunity to include a response to sustainability within their degree courses.

Revised KPI

By end of 2011/2012, all postgraduate programmes to report to the relevant Academic Standards and Quality Committee on how they are addressing

There is a widespread engagement of PG programmes in the subject of sustainable development. This engagement is either introductory or specialised according to the specific needs of the individual programme. The presence of sustainable development in the curricula of two faculties has been reinforced through Curriculum Refresh activities during 2011/12.

The 2011/12 population of UWE FTE postgraduates that have been exposed to the context of sustainable development in their programme of study will be announced at the ESD Day in April 2013. The 2012/13 HoD survey results will also be released.

Departmental reports to the relevant Academic Standards and Quality Committee, where



ESD within the programme.

appropriate, may comment on ESD. The revised University Quality Management and Enhancement Framework being introduced in 2013 will include specific requirements to identify ESD within reports.

During 2012 work commenced on a university funded project to develop an on-line sustainable development learning resource for students.

By 2010 an induction for new academic and academic related staff to include education's contribution to sustainable development.

Revised KPI

UWE to organise an annual internal event for staff dedicated to reflecting on and furthering their ESD practice.

New staff are introduced to the university's sustainable development commitments and ambitions at their induction. These issues are explored further within the context of teaching and learning in special sessions of the UWE Academic Development Programme.

KESE organised and ran a highly successful Education for Sustainable Development day in 2012. Staff from across the faculties and professional services attended the event, sharing and reflecting upon their experiences whilst exploring developmental options for ESD within UWE. The slides and outcomes from the day have been shared via the SharePoint site. The 2013 ESD day is already in advanced planning and will take place in April.

Through the Continued Professional Development (CPD) programme provide the opportunity for learners to further develop their understanding of sustainability.

Revised KPI

ISHE to co-ordinate the provision of a coherent interfaculty

The MSc Sustainable Development in Practice (see <http://courses.uwe.ac.uk/F8NA1/2013>) was validated successfully and ran for the first time in 2012/13. The components of this MSc are available as CPD either with or without the award of credit.

A wide range of CPD content has been developed through the work of ISHE, Departments, Research Centres and the Innovation Networks. The CPD and short course offer encompasses environmental media (air, water, and land), carbon management, climate change mitigation and adaptation, resource security, technology for a sustainable future, regulatory instruments and behavioural change




sustainability CPD offer, to be launched during 2012/13.

responses. CPD activity continues to be supported by UWE investment of HEIF resources. The CPD and short course offer is now centrally coordinated through the CPD team in RBI.

4.2 Carbon and Air Quality Management (section 3.2 in the sustainability strategy)

Aim

To use energy more efficiently to progressively reduce dependency on fossil fuels and contribute to achieving the UK target of 60% reduction in Carbon Dioxide emissions by 2050

Objectives	Dec 2012 Position	
Calculate UWE's carbon commitment.	<ul style="list-style-type: none"> Buildings carbon commitment calculated annually from 2005/6. Total for 2011/12: 15,066tCO₂e 	
Reduce energy use in buildings, including residential buildings.	<ul style="list-style-type: none"> Energy reduction projects continue e.g. air handling unit improvements, lighting, heating control projects etc. Ongoing schedule of room/corridor refurbishments include LED lighting and PIRs as standard. Installation of photovoltaic arrays on R2 building (32KW) and the sports hall (50kw) Total energy use in buildings has continued to fall across campuses. Frenchay electricity fell 25% from 13,454MWh to 10,137MWh and gas fell from 58% from 17,466MWh to 10,092MWh. Energy efficiency projects and the Student Switch-Off Campaign have resulted in 203344kWh saved, which is a 9% electricity reduction in the Village since 2010/11. 	
Implement an energy awareness campaign.	<ul style="list-style-type: none"> Successful Student Switchoff Campaign running in accommodation – 1103 students signed up pledging to save energy in 2011/12 Awareness posters developed and distributed for energy saving. Faculty and service co-ordinator groups have identified and undertaken specific energy saving programmes in their areas eg. Regular Christmas and Easter holiday break switch off drives, UWESU People & Planet – shorter showering campaign, UWE wide energy saving campaign – Sustainability Week Six Student ambassadors employed to carry out various energy awareness activities across the campus eg. Encouraging signups to Student Switchoff Campaign, undertaking quizzes with students and taking pictures for energy competitions. Engagement tool under development to 	

improve awareness – still needs more work.

Implement 80% of the technical carbon saving measures (where cost effective) detailed in the Carbon Management Plan.

- 90% of technically feasible projects implemented or part implemented. Projects include PC power management, condensing boilers, free cooling trial, PIR installations etc.



Aim to achieve BREEAM rating of at least "Very Good" for energy aspects of new buildings.

- New build R2 building achieved BREEAM Excellent



To consider the procurement of a proportion of electricity from renewable sources where economic to do so.

- Financial years 2009/10 and 2010/11 UWE procured green tariff electricity for all non-residential buildings.
- Since 2011/12 have moved back to brown tariff for financial reasons. The difference in tariff has been earmarked for investment into on-site renewable generation. The first of this is a £67k investment into a PV array on R2 and the Centre for Sport

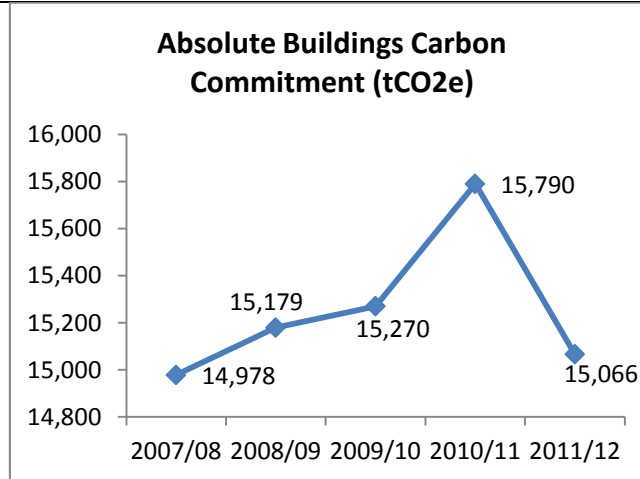


KPI

30% reduction in buildings carbon emissions (kg/sqm) from 2001/2 levels by 2011/12 based on an average year's weather.

Revised 2011
50% reduction in CO2 emissions from 2001/2 levels by 2020/21 based on kgCO2/m2 and on average years' weather

Create and new KPI for an absolute reduction in CO2 absolute target of: 1.5% annual



Relative targets:

- 30% reduction by 2011/12 achieved
- On target to achieve revised 50% reduction by 2021 -

reduction from
2005/6 -2020/21

**ACTIONS FOR
2020 Plan**

Absolute target:

- 2011/12 absolute reduction of 5% achieved.
-
- Update and review remaining actions from the carbon management plan.
 - Identify and implement further energy reduction projects – prioritise those suitable for Salix funding.
-

4.3 Sustainable Travel (section 3.3 in the sustainability strategy)

AIM

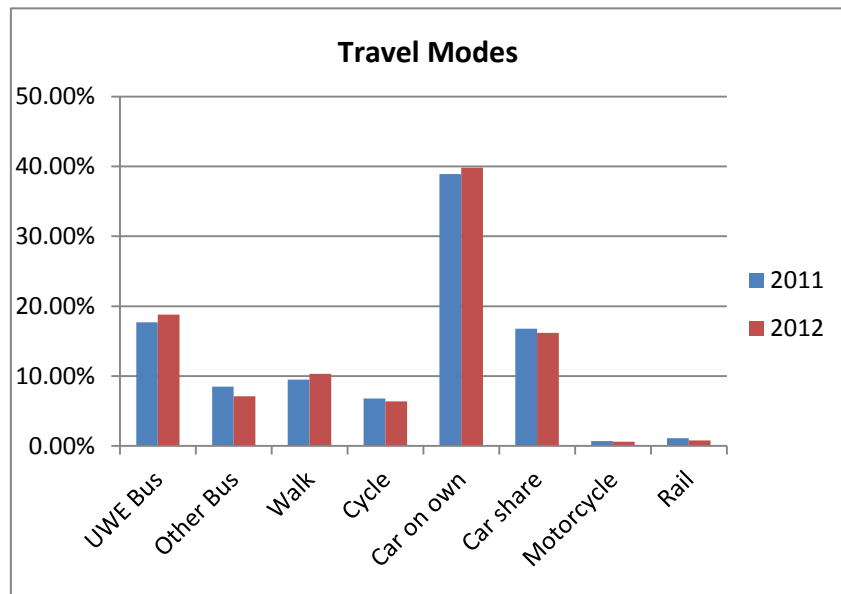
To develop travel patterns that impact positively on student satisfaction, contribute towards a Healthy University and that are environmentally and financially sustainable.

Objectives

Dec 2012 Position

Reduce the overall need to travel, especially by car.

Travel Survey February 2011 and 2012 results:



60.2% of journeys in Feb 2012 were non single occupancy car journeys.

Develop sustainable and inclusive transport that improves health and access for all to UWE.

- Introduction of improvements to the value of >£1½m through the 'travelsmart' programme, including new bus services.
- Negotiated partnership bid with local authorities in the Local Sustainable Transport Fund to deliver >£1m of improvements including new bus routes and a dedicated project officer which will support positive transport choices for prospective students.

Manage car parking equitably

- Upgrades to car parks 1, 2, 3 and 20 on Frenchay Campus. Introduction of improved parking management and penalty system. Most undergraduates joining UWE from 2013 will not be permitted to park on campus. Increased parking charges, linked to salary, in August 2013.

Provide information to better inform staff and students of transport choices.

- New bus information kiosk at Frenchay bus station. Improved literature for bus services, including individual timetable guides and combined booklets. New car park kiosk at student car park 20 with information on non-car modes of travel. Active use of social media



KPI

To reduce the proportion of all journeys to campus made by single-occupancy car travel from 28% of all journeys in November 2007 to 23% by November 2009

- New targets incorporated in the new masterplan-linked travel plan as part of the 'travelsmart' set of initiatives. KPI of reducing single occupancy travel from 39% to 30% of all trips to UWE by 2016. Monitoring as per annual travel survey above.



To increase proportion of all journeys to campus made by bicycle from 4% in November 2007 to 6% by November 2009

- New targets will be incorporated in the new masterplan-linked travel plan as part of the 'travelsmart' set of initiatives. KPI of increasing this figure from 7% to 9% by 2016.



ACTIONS FOR 2020 Plan

Implement the travelsmart agenda and confirm exception criteria for travelsmart parking framework. Develop Wessex Red bus services dependent on ongoing subsidy. Develop cycle initiatives in consultation with Students Union and LSTF project officer to encourage increase in student cycling.

4.4 Natural Resource Use (section 3.4 in the sustainability strategy)

AIM

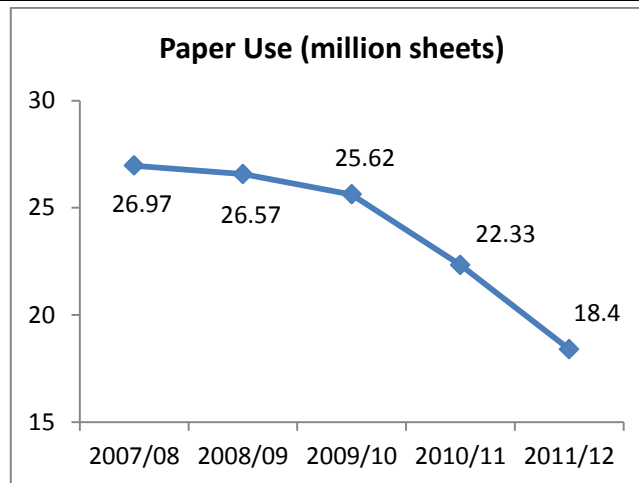
Enhance the efficiency and effectiveness of the University's use of natural resources.

Objectives	Dec 2012 Position
Identify and implement opportunities to reduce resource inputs to the University's service delivery.	<ul style="list-style-type: none"> • Facilities has developed a 'design guide' which informs the use of materials in construction and refurbishment. Its purpose is to standardise materials used across UWE to minimise waste, allow reuse and maximise use of recycled content materials. • Progress has been made in this are with respect to our construction programme. For example, 15% of R2 building was constructed using recycled materials. The building is heated using recycled cooking oil. • Good progress but there is more we can do.
Continue to review and improve water management systems.	<ul style="list-style-type: none"> • Low flow WCs and sensor taps fitted as standard in all WC refurbishments. Rolling program of WC refurbishments. B Block, Undercroft, Core 24 and Q Block WCs completed 2010/11. • Partnership with ADSM to survey and install controls for water reduction –urinal controls fitted across Frenchay and Bower Ashton Campus. • Frenchay Campus total water reduced 9% from 74,800m3 to 68,300m3. • Bower Ashton reduced 26% from 6,852 m3 to 5,060m3.
Increase the use of inputs made from recycled and reconditioned materials.	<ul style="list-style-type: none"> • This has undoubtedly been achieved, however, detailed monitoring data is not available for all areas. • The new R2 building was constructed using 15% recycled materials • 100% recycled paper is now being introduced throughout the University

KPI

5% reduction in paper use by 2012 (2005/6 base)

Revised 2011
10% reduction in paper use by 2012 (2005/6 base)



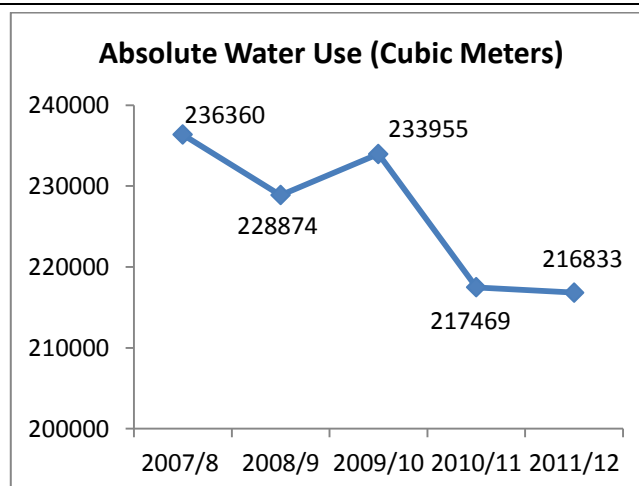
36.1% reduction achieved since 2005/06. Early reduction achieved through roll out of centralised MFD printers and central approval for purchase of other printers.

A 17.6% drop has been achieved in the last year alone. Recent improved performance is due to a roll out of default setting for double sided printing, awareness raising of how to photocopy double sided and a drive to reduce paper use in meetings.

Over the next 12 months the UWE print strategy will continue to be implemented which will include the gradual removal of personal desk top printers in favour of networked multi-function devices.

Reduce water consumption per student head by 5% by 2012 (2005/6 base)

Revised 2011
Reduce water consumption per student head by 5% by 2012 (2006/7 base)







- Total consumption over all sites excluding the Student Village reduced by 9% since 2005/6. Water figures did increase by 16% from 2005/6 – 2007/8 but water efficiency improvements has brought the peak of 99,977 m³ in 2007/8 down to 78,792 m³ in 2010/11, a reduction of 21%.
- Reliable data on Student Village available from 2008/09. 23% reduction from then to 2011/12. This saving is largely due to managing an issue with faulty flushes.

ACTIONS FOR 2020 Sustainability Team with Procurement Team
Plan

4.5 Sustainable Procurement (section 3.5 in the sustainability strategy)

AIM

To use the University's purchasing influence to ensure sound sustainability performance within the University supply chain.

Objectives	Dec 2012 Position	
Undertake a sustainability review of the UWE supply chain during 2008 and continue to annually review suppliers' sustainability performance.	<p>Supplier files have been updated to include sustainability risks and accreditations</p> <p>Sustainability continues to be a standard agenda item on contract review meetings with supplier improvements evidenced in minutes of subsequent review meetings.</p> <p>Where a significant sustainability impact is identified, sustainability is included as an evaluation criteria when retendering.</p>	
Continue to work with contractors, suppliers and other organisations (such as WRAP and the SUPC) to improve the sustainability performance of UWE and its supply chain.	<p>UWE is involved in drafting and mentoring a pilot Sustainability Index scheme in partnership with the Chartered Institute of Purchasing and Supply which allows suppliers to self assess their sustainability performance against their peer group and allow for measured year on year improvement.</p> <p>UWE continues to be involved in a Scope 3 emissions measurement project with HEFCE / SUPC to measure the wider indirect carbon impact of our supply chains.</p>	
Maintain Fairtrade University status.	<ul style="list-style-type: none"> Maintained since 2006 	
Continue to increase the range of local and organic produce in Hospitality Services.	<ul style="list-style-type: none"> Daily fruit and veg stall is supplying an increasing selection of local produce Monthly farmers market is growing in size and profitability for the stall holders Local / Seasonal menus in Students' Union and University catering <p>More work can be done to increase organic produce, but the cost of this is challenging in current economic climate.</p>	

KPI

100% of the top 100 UWE suppliers (by spend) to be compliant with the UWE Sustainable Procurement Policy by 2012

Sustainability remains a standard agenda item on contract review meetings, all suppliers subject to these reviews are challenged as to how their sustainability performance has improved. 40% of the top 100% suppliers are subject to such reviews either by UWE or by the contracting framework organisation such as SUPC, TUCO, or the Government Procurement Service.

**Revised 2011**

100% of the top 100 UWE suppliers (by spend) to have been assessed for sustainability performance by August 2012.

32% of the top 100 are Framework call offs (SUPC / Government Procurement Service/ TUCO) which comply with the minimum Green Public Procurement sustainability criteria outlined by the EU.

A further 8% of the top 100 suppliers are building and construction firms that have been engaged via a tendering process through the UWE Estates Team. Sustainability is a core consideration in UWE building projects.



ACTIONS FOR 2020 Plan

Complete the assessment of sustainability risk of the top 30 UWE suppliers using the DEFRA/NSPPP methodology.

4.6 Waste (section 3.6 in the sustainability strategy)

AIM

To reduce the amount of waste produced by following the principle of reduce, reuse and recycle.

Objectives	Dec 2012 Position
Reduce the amount of waste produced in all parts of the university operation.	<p>Overall waste generation across the University has fallen considerably (8.2%) over the last 5 years. </p> <p>Examples of activities that have contributed to the reduction in waste:</p> <ul style="list-style-type: none">• Removal of the majority of external open skips and the centralisation of waste bins has forced departments to use the porters to collect bulky waste. These wastes are then segregated by the waste team into targeted waste streams. This takes place on the waste compound, introduced in August 2008. The compound diverts around 90 tonnes of waste from landfill annually.• Gradual roll out of plumbed-in water units for student use in an attempt to reduce purchase of bottled water and therefore waste plastic bottles.• Most printers now set to doubled sided printing by default, including student printers, to reduce paper use.• Increased roll-out of thin-client computers to reduce IT waste.
Identify opportunities for reuse of materials	<p>Examples of actions completed: </p> <ul style="list-style-type: none">• Appointment of professional waste reuse contractor has enabled the reuse of 29 tonnes of waste furniture between August 2009 and July 2011.• UWE procurement team have established an internal furniture and equipment reuse website.• In 2011/12 UWE joined a national online reuse scheme to maximise furniture and equipment reuse within UWE and between UWE and the charity sector / other universities.• UWE headed the end-of-term partnership project with Bristol City Council and Bristol University to encourage students living in private rented accommodation to reuse unwanted items at the end of term.• Annually we provide charity bags to students living in halls of residence on Frenchay Campus to enable them to send for reuse

various items including clothing, kitchen equipment and food.

Maximise opportunities for staff, students and visitors to recycle their waste

- We have invested over £100,000 on internal and external recycling bins since 2008. These have been positioned so that staff, students and visitors have good access to recycling bins.
- In 2009 we removed over 1000 under-desk waste bins in open plan offices, replacing them with banks of recycling bins.
- In 2011/12 we widened the range of materials diverted from landfill; additional materials include non-bottle plastics (e.g. margarine tubs, yoghurt pots etc.), food waste, plastic film and carrier bags, and beverage cartons.



KPI

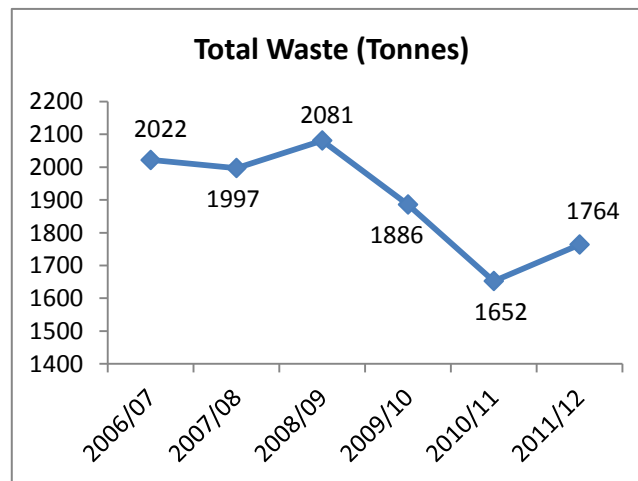
5% reduction in waste produced per student head by 2011/12 (2006/7 base)

8.2% waste reduction per student head 2006/07 to 2011/12.



Revised 2011

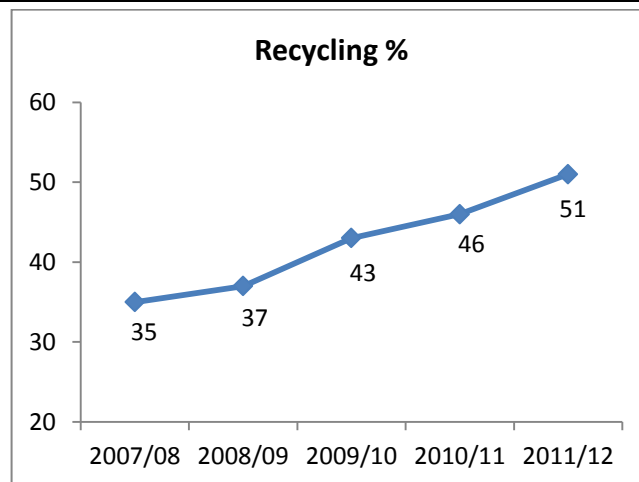
8% reduction in waste produced per student head by August 2012 (2006/7 base)



42% Reuse / Recycling rate by 2011/2012

Revised 2011

46% Reuse / Recycling rate by Aug 2012



ACTIONS FOR 2020

Plan

Food Waste	Extend food waste recycling across all staff kitchens, all halls of residence and all catering areas.
Income from waste	Commence baling of cardboard and other materials to begin generating income from waste materials.
Reuse	Promote new online reuse system to maximise reuse of furniture and other equipment.

4.7 Biodiversity (section 3.7 in the sustainability strategy)

AIM

To maximise the range of habitats and species on the university estate.

Objectives

Dec 2012 Position

Develop and begin to implement a Biodiversity Action Plan (BAP) for UWE by end of 2008

- Biodiversity Action Plan was drafted in 2009.
- A revised plan is currently being written following the merger of the Grounds Team into the Sustainability Team.
- Objectives and targets have been written and are contained within document EMS.PROG.004 (Biodiversity Objectives and Targets) available on the UWE Sustainability website



KPI

Increase in the habitat diversity and abundance of indicator species on the UWE estate

- Since January 2011 the following has been achieved in terms of increasing habitat diversity:
 - Large wildflower meadow planted at R Block
 - Large areas of grass left to grow into meadows
 - Remaining grass cut fortnightly to encourage flowering of clover, buttercups and daisies
 - Replanting of UWE roundabout with nectar rich perennial flowers
 - Native bog plants introduced into new wetland area in the ravine
 - Wetland meadow grass being developed by UWE researchers
 - Hedgerows left uncut until mid July, and then cut so as to preserve fruiting (berries).



Revised 2011

Develop a sector leading Sustainable Landscapes and Biodiversity Management Plan by Aug 2012, to contain specific species and habitat targets.




ACTIONS FOR 2020 Plan

Complete Landscape and Biodiversity Management Plan

4.8 Healthy University (section 3.8 in the sustainability strategy)

AIM

To enhance the profile of health and well-being within the culture, structures and processes of the University

Objectives	Dec 2012 Position	
Develop and implement a Healthy University Strategy	<ul style="list-style-type: none"> Achieved 	
Bring together existing initiatives for health and well-being of students, staff and UWE's wider communities to enhance participation and co-ordination	<ul style="list-style-type: none"> Strategic commitment to integrating health and wellbeing into the structures and processes of the university. The Healthy University Strategy ensures that communication about health and wellbeing is routinely embedded in as many projects and events as possible across the university. All sections of the university working together to secure better health outcomes for staff and students. 	
Further develop healthy working, learning and living environments for students and staff	<ul style="list-style-type: none"> Healthy university group established three main areas of focus; smoking, alcohol and drugs, food and health each extending the work done across the university for staff and students. Cycle Train recipient of South Gloucestershire Innovation Award. Cooking demonstrations and lessons delivered by UWE Chef weekly. UWE signed up to Bristol Wellbeing Charter and Time for Change. Smokefree Spaces Project launched with initial consultation phase at Bower Ashton Campus Smokefree clinics extended to Bower Ashton Campus with more Smokefree Student Advisors trained by NHS Smokefree Bristol. Findings from Evaluation of Smokefree Clinics used to improve provision. POD (confidential alcohol and drug advice) Service launched at Bower Ashton Alcohol and drugs policy launched. Have a SafeNight Out campaign and associated awareness raising activities at Fresher's Fair and during the year undertaken in partnership with Drinkaware. Increased engagement of physical activity through extended Centre for Sport programme including walks, social sports, accessible 	

activity schedules, mental health and exercise referral scheme.

- Increased provision of healthy, fresh and locally sourced food for staff and students through in-house catering, fruit and vegetable stall, farmers' market.
- Wellbeing centre provides student support throughout the year. Employee Assistance Programme for staff. GP surgery on Frenchay campus working closely with Healthy University Group around sexual health campaigns and student health needs. .
- Accessibility of online health and wellbeing information and resources, including dedicated pages on both the student web pages and staff/HR intranet.
- Government Public Health Responsibility Deal – UWE expanded its Health at Work Pledges to include physical activity pledges.

Increase the public health and sustainability aspects of teaching and research

- Student inductions in HLS increasingly include introduction to university work around health, wellbeing and sustainability. Continuation of student internship and student project work.
- Powerpoint resources produced through KESE for lecturers to embed public health and sustainability into their lectures.
- Funding gained for research and KE projects focused on public health and sustainability e.g. EU Healthy University network for future collaborative research, iConnect project, South West Wellbeing project; Health and wellbeing of international students. Current bids include Sport England Funding project; 3rd Wave Food for Life Evaluation;
- UWE's commitment to sustainability, health and wellbeing communicated in research bidding and income generation opportunities more generally.
- MSc Sustainable Development in Practice launched September 2012; Environmental Health Integrated Professional Development Programme launched January 2013 including Healthy University section; MSc Public Health refresh to further embed sustainability.



Support and further develop community links to support health and

- Working in partnership with NHS, LAs, GP health centre – sexual health, smoking, alcohol & drugs, workplace health & wellbeing. National guidance package on health and



sustainable development

sustainability in higher education.

- Increased involvement in staff and student activity aimed to increase engagement, health and wellbeing e.g. Feel Good Festival and Feel Good February.

Communicate our achievements and capabilities

- First university to sign up to Government's Public Health Responsibility Deal around Workplace Health and Physical Activity H1. Chronic Conditions Guide; Occupational Health Standards; Health & Wellbeing Report; Healthier Staff Restaurants; Physical activity including community engagement.

Through all UWE communications e.g. Staff e-news; Voice Magazine; Social Media; ; Academic Journal articles; Healthy University action plan for 2013; Accessible online health information. Large posters on Frenchay, Glenside and Bower Ashton to display regular and up to date health and wellbeing messages/achievements to staff and students.



KPI

Raise the profile of, and embed, health and well-being within the culture, structures and processes of the University.

Revised 2013

Promote a whole university approach to health and wellbeing by focusing on at least two different areas each year and supporting enhanced collaborative activity across all sections of the university.

- Achieved revised KPI, based on evidence outlined above.



ACTIONS FOR 2020 Plan

- Explore opportunity to make the main Bower Ashton Campus smoke free
- Implement the Healthy University self review tool to help inform future decisions and directions of health and wellbeing work undertaken at UWE.

4.9 Community Investment (section 3.9 in the sustainability strategy)

AIM

To build on existing community engagement initiatives and develop a new, strategic approach to contact with the public, voluntary and community sectors. To embed a community engagement ethos within faculties and services across the institution.

Objectives

Dec 2012 Position

Promote excellent relations between UWE and wider communities.

At UWE, Community and Public Engagement takes the following forms: **provision of direct services** such as student volunteers, student placements/internships; **development work** contributing to capacity building work with neighbourhood, faith and other communities, business and social enterprise; **engagement in policy and product development and social innovation** – through research and KE contributing to policy development in local and national government, public services, social enterprises; **collaboration with people** who are not on campus in defining research questions and developing research projects; **discharging ethical responsibilities** – to inform the public about socially sensitive research bearing upon, for example, developments in nanotechnologies, bioengineering, new management technologies, climate science, human trafficking; **producing works to be seen by large audiences**, such as CPA concerts, visual art, performance and digital media outputs; **mobilizing the university's physical infrastructure as a public resource** – Spike Island, UWE Centre for Sport, UWE Transport; **supporting government agendas**, such as engaging young people with STEM subjects, widening participation and enterprise.





Develop a Community


- Community and public engagement strategy published in 2011.



Engagement Strategy.

Develop a structure of support for voluntary activity at UWE (staff and students) and a volunteering culture through which staff and graduate employability will be improved.	<ul style="list-style-type: none">• In partnership with the Students' Union, UWE Volunteering helps students and staff to give their time for free and help out in the local community	
Continue to promote knowledge exchange within the voluntary and community sector both locally and globally.	<ul style="list-style-type: none">• UWE disseminates information and knowledge to non-specialist audiences, such as public lectures, science cafes, public conferences and debates as well as more informal two-way interactions through public events such as the Festival of Nature, Festival of Ideas;	

KPI

The adoption of a Community Engagement strategy and constitution of an appropriate steering group for reporting and evaluation by 2009/10.	<ul style="list-style-type: none">• Community and Public Engagement Strategy agreed in 2011.• Community Liaison Strategy agreed autumn 2011	
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Revised 2011

The adoption of a Community Engagement Strategy by Aug 2011.





ACTIONS FOR 2020 Plan	Continue the implementation of the actions outlines in the Community and Public Engagement Strategy.
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4.10 Staff and Student Engagement

Objectives for this area are contained within document EMS.PROG.009 (Staff and Student Engagement Objectives), available on the UWE Sustainability website.

AIM

To develop and implement a range of opportunities to offer the time, place and resources for UWE staff and students to engage in the sustainability journey at the University.

Objectives	Dec 2012 Position	
Work closely with the Students' Union	<ul style="list-style-type: none"> • Support for Green Impact awards annual submission • Support in developing staff group of champions across all campuses - includes giving presentation to all staff and elected officers annually. • Liaison on promotion of sustainability info/issues/events on UWESU web/ Facebook/twitter • Working with Student Union elected representatives and sustainability officer (one day a week post) to deliver UWE Sustainability Facebook site, sustainability week, Bike Trains (for which we won TravelWest award for most cycling friendly employer) People and Planet society, and other events • This year progress was made in that one elected officer VP for Communities and Welfare was specifically allocated the role of championing sustainability. 	
Deliver annual sustainability week	<ul style="list-style-type: none"> • Full week delivered with over 32 events and activities across all campuses. Greater range of activities and higher levels of engagement this year, including increased liaison with academics. 	
Continually expand and improve the sustainability champions network	<ul style="list-style-type: none"> • Network continuing to operate to different degrees in different parts of the university. It was affected by the staff re-organisation but has been picking up supporters since things settled down - in the last 6 months. • Strategic approach being taken to ensuring champions across all campuses and departments. Students now invited to attend Faculty meetings. 	
Annual energy saving	<ul style="list-style-type: none"> • Continuation of successful Student Switch Off 	

competition in halls of residence

programme running in accommodation – 1,230 students signed up pledging to save energy in 2011/12.

- Since 2008 produced year on year reduction in energy use and overall reduction of 13%

Initiatives to increase recycling in halls of residence

- Students in Accommodation at Frenchay campus can recycle the following: paper, cardboard, cans, plastic, glass, food waste, clothes, electrical equipment, kitchen equipment.
- This year we introduced plastic carrier bag and batteries recycling at Frenchay.
- Students in all other UWE managed accommodation can recycle: paper, cans, glass, food waste, cardboard and plastic bottles
- We have increased the amount of face to face information students receive when they move in at Welcome Week-end and also in the student handbook.
- We have improved the signage at the Frenchay student village recycling depots.
- Overall the recycling rate at Frenchay student village has gone up from 29% to 33%.
- At Bower Ashton, St Matthias and Glenside the frequency of collections has increased from fortnightly to weekly which has resulted in more recycling on these sites.
- Glenside Halls' recycling rate has increased from 38% - 46%.

Maximise opportunities for student coursework to link to sustainability management on campus

- In 2011/12 Facilities has provided work placements for students in the following areas:
- Food waste analysis
 - Carbon emissions inventory PLUS
 - Delivered one off sessions to students on particular and general sustainability issues.
 - Mentored and supported student sustainability officer

University funding for student led sustainability projects

- Not formally in place.

Student involvement in development and monitoring of carbon management plan

- Student placement has undertaken the completion of the annual carbon emission inventory. This is now an annual placement linked to the Environmental Consultancy Masters Degree course.

- Increase the number of energy challenges in different areas across the university.
- Engage students the new showering project in the student village, (which should result in large savings of energy and water and resultant costs savings.)
- Plus all usual on-going work such as the farmers markets, sustainability week and Fairtrade promotion, travel initiatives and info provision.





4.11 Construction and Refurbishment

Objectives and Targets for this area are contained within document EMS.PROG.006 (Construction and Refurbishment Targets), available on the UWE Sustainability website.






AIM

To improve the sustainability of construction and refurbishment at UWE and to ensure that robust policies and procedures are in place ready for the implementation of the UWE Masterplan.

The University of the West of England will comply with all planning and building regulations, and additionally for all projects from January 2012:

Objectives	Dec 2012 Position	
<u>Design</u> Seek external accreditation for sustainable construction for all new buildings, such as BREEAM Very Good (2011)	<ul style="list-style-type: none"> Achieved through building of R2 architecture building which was awarded BREEAM Very Good 	
<u>Innovation</u> Endeavour to challenge current practice and innovate to develop new approaches of value to the sector	<ul style="list-style-type: none"> R2 building is heated using the University's recycled cooking oil. The first large scale application of this technology, which has prompted BRE to revise its BREEAM scoring methodology. 	
<u>Energy</u> Design to exceed by 5% Building Regulations Part L2A targets for Carbon Emissions	<ul style="list-style-type: none"> With a predicted Building Emissions Rating (BER) of 10.6kgCO₂/m², UWE's newest building, R2, exceeded Part 2LA by 23.65%. 	
<u>Water</u> Design to achieve water usage of less than 4 m ³ /person/year or comply with building regulations, whichever the stricter Design to achieve 10% grey/rain water use for new builds	<ul style="list-style-type: none"> In UWE's newest building, R2, dual flow flushes and low flow showers were installed to minimise water use. In the 16 months since opening in September 2010, the building has used 463m³ of mains water, averaging 347m³/year. Difficulties in assessing occupancy levels make it hard to quantify m³/person/year figures. In UWE's newest building, R2, all WCs and urinals are fed from a grey water harvesting system. (It is difficult to quantify % recycled 	

due to metering issues.)

<p><u>Waste</u> All construction and refurbishment projects of value over £300k to have a Waste Management Plan in place and end of project reporting</p> <p>Reuse and/or Recycle 70% of non hazardous construction waste by July 2014.</p>	<ul style="list-style-type: none">Waste Manager oversees the development and implementation of project Site Waste Management Plans.	
<p><u>Materials</u> 20% total value of materials used to be derived from recycled and reused content in products and materials selected.</p> <p>100% timber and timber products from Forest Stewardship Council (FSC), or equivalent certified source</p>	<ul style="list-style-type: none">Total high grade aggregate used on R2 site was 2231 tons and of that 36.7% was recycledAll timber used in construction and refurbishment is from FSC or similar certified sources	
<p><u>Space</u> Achieve 40% space utilisation</p>	<ul style="list-style-type: none">Current space utilisation of R2 is 24%.	
<p><u>Biodiversity</u> Incorporate sustainable landscaping into new build</p>	<ul style="list-style-type: none">All new builds now incorporate a sustainable landscaping design. Recently this has included the planting of a 450sq.m meadow and the planting of native trees and shrubs.All new planting schemes are subject to the approval of the Sustainability Manager.	
<p>Comply with Environment Agency Pollution Prevention Guidance 6 (Construction Sites)</p>	<ul style="list-style-type: none">We are currently devising in-house guidance and monitoring procedures to ensure compliance with these guidelines.	

KPI

BREEAM very good minimum standard for construction and refurbishment

- Achieved for construction but not refurbishment







ACTIONS FOR 2020 Plan

Implementation of Sustainable Masterplan

4.12 Ethical Investment

Objectives and Targets for this area are contained within document UWE Ethical Investment Policy, available on the UWE Sustainability website.

AIM







Objectives	Dec 2012 Position	
Agree Ethical Investment Policy	<ul style="list-style-type: none"> The University has in place an Ethical Investment Policy agreed in 2008. 	
Identify opportunities for staff and students to engage in the ethical investment policy	<ul style="list-style-type: none"> The Board may be advised by any member of the University of a concern on ethical grounds about an investment or may, itself, identify a disinvestment recommendation. In such circumstances the Sustainability Board will advise the Board of Governors Finance, Estate and IT Committee of its concern and recommendation. Representation of UWESU on the Sustainability Board provides a direct route for student concerns to be identified and reported to the Sustainability Board by the UWESU President. This opportunity for staff and students to engage in the operation of the Ethical Investment Policy has been publicised to staff and students via the Sustainability web site. 	
Where appropriate undertake investment, divestment or engagement with companies on ethical grounds	<ul style="list-style-type: none"> There has been no occasion to date to invoke the Ethical Investment Policy and thus it can be concluded that it has operated in a satisfactory manner. The Sustainability Board in considering the policy has not identified any enhancements it wishes to recommend to the Board of Governors Finance, Estate and IT Committee. 	
KPI		
Report annually on progress with the implementation of the Ethical Investment Policy	<ul style="list-style-type: none"> This report represents the annual report at this stage. 	
ACTIONS FOR 2020 Plan	<ul style="list-style-type: none"> Full review of the Ethical Investment Policy in the light of Strategy 2020 and the new Sustainability Plan. 	

4.13 Emissions and Discharges

Revised (2012) objectives and Targets for this area are contained within document EMS.PROG.005 (Emissions and Discharges Targets), available on the UWE Sustainability website. Note that the report below is against previous objectives and targets as the revised targets have only recently become live.

Aims

To identify, reduce and manage harmful emissions to air, land and water






Objectives	Dec 2012 Position	
Compile annual carbon emissions inventory	<ul style="list-style-type: none"> Completed 	
Monitor discharge to sewer and ensure compliance with relevant regulations	<ul style="list-style-type: none"> Our water and sewerage provider regularly monitors trade effluent discharge to ensure compliance with our discharge permit We are looking at ways to improve the frequency and detail of effluent monitoring 	
Reduce contaminant levels of discharges to sewer	<ul style="list-style-type: none"> We have worked closely with the Science Faculty to ensure that discharges to the drains are in line with our discharge consent and where appropriate wastes have been disposed via our hazardous waste contractor. 	
Monitor emissions to air	<ul style="list-style-type: none"> The university has an air quality monitoring station located at our main bus stop which constantly monitors air quality in this vicinity All flues are monitored every 6 months to ensure boiler efficiency 	
Have in place procedures to prevent spillages to land and water, and have in place emergency procedures to deal with any incidents.	<ul style="list-style-type: none"> Spill response procedures have been developed Further training of personnel is required to ensure full coverage 	
Monitor water quality of UWE water courses	<ul style="list-style-type: none"> An innovative project has begun to position water quality sensors in the UWE water course to give live data on water quality on the Frenchay Campus 	
KPI	There are no KPIs for this area	

4.14 Sustainable Food

Objectives and Targets for this area are contained within document EMS.PROG.011 (Sustainable Food Policy), available on the UWE Sustainability website.

Aim

We aim to provide menus that are local, seasonal, organic, fresh and healthy

Objectives	Dec 2012 Position	
<p>To increase the provision of seasonal fruit and vegetables</p> <ul style="list-style-type: none"> By 2020 66% of fruit and vegetables will be seasonal 	<ul style="list-style-type: none"> We provide a seasonal option in all catering outlets every day of the year. 	
<p>To source food locally</p> <ul style="list-style-type: none"> By 2020 50% of our food (by value) will be sourced from within a 100 mile radius of Bristol 	<ul style="list-style-type: none"> In 2011/12 we spent £345,000 on food from local suppliers, from a total spend of £1.5m, representing 23% of spend. 	
<p>To reduce meat consumption</p> <ul style="list-style-type: none"> By 2020 we will have reduced meat use by 10% (by weight) (2012 base) 	<ul style="list-style-type: none"> We provide almost 100% Red Tractor and/or Organic beef. We promote vegetarian meals specifically on Mondays as part of our approach to reduce demand of meat. One of our bestselling dishes is cottage pie, which we have added pulses to reduce the overall meat content. 	
<p>To purchase only free-range eggs</p> <ul style="list-style-type: none"> By 2020 all of our eggs will be free range and organic 	<ul style="list-style-type: none"> All bought eggs (in shells) are free range, in 2011/12 accounting for 24,131 eggs. Our challenge is to ensure free range and organic eggs in the produce we buy in ready made 	
<p>To increase the sales of Fairtrade products</p> <ul style="list-style-type: none"> By 2020 we will have increased by 25% our sales (by unit) of Fairtrade products (2012 base) 	<ul style="list-style-type: none"> We already offer a large range of Fairtrade products In 2011/12 we sold 76,827 units of Fairtrade products 	

To reduce food waste

- By 2020 we will have reduced total waste from catering and hospitality by 20% (2012 base), including the composting of all food waste

- In 2011/12 waste from catering and hospitality accounted for apx 33% of all of UWE waste (exc. construction waste), equivalent to apx 600 tonnes of waste.



ACTIONS FOR 2020 Plan

To continue with the implementation of actions to achieve the objectives and targets outlined above
