

Annual Sustainability Report 2014/2015

Version: Approved by Sustainability Board 10th February 2016

Approved by the Vice Chancellor's Advisory Board, 23rd May 2016

For approval by Board of Governors Finance, Estates and IT Committee, 14th June 2016.



University of the
West of England

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2014/2015 At a glance



95% of graduates exposed to the concepts of ESD



650 cars taken off the road due to sustainable travel



9.25kWp solar PV added to our infrastructure



62.2% of waste was recycled



£170,000 avoided spend due to reuse



EXCELLENCE IN PUBLIC PROCUREMENT AWARDS 2014/15

Finalist

GO Team of the Year Award
OTHER ORGANISATIONS



An increase to 720sqM of nectar rich planted spaces



Accreditation in all 8 workplace wellbeing charter areas



90% of staff were aware of Bristol Green capital



Fairtrade sales are 12% over 2020 target



EARTH CHAMPIONS[®]
Local Heroes, Global Impact.



highly commended



BRISTOL 2015 EUROPEAN GREEN CAPITAL STRATEGIC PARTNER




AJA REGISTRARS
ISO 14001:2004

UKAS MANAGEMENT SYSTEMS
0059



Soil Association
FOOD FOR LIFE
SILVER CATERING



Green Gown Awards 2014
Finalist 10

Introduction

In late 2013 and early 2014 the University and the Students' Union approved the Sustainability Plan 2013 – 2020. The Plan takes its authority from Strategy 2020 and is designed to meet the ambitious sustainability aims embedded within that strategy.

The Plan:

- Outlines the University's sustainability aims for the period 2013 – 2020
- Defines the mechanisms by which sustainability is embedded within the University's day to day operation and effective decision making
- Contributes to UWE Bristol's 2020 Strategy ambition by advancing the health and sustainability of our locality and region
- Contributes to UWE Bristol's 2020 Strategy priorities through the delivery of ready and able sustainability literate graduates
- Guides the development of sustainable estate infrastructure.

Governance

This plan spans the years 2013 - 2020. Overall responsibility of its objectives sits with the Vice-Chancellor, Chair of the Board of Governors and the President of the Students' Union. It is monitored through the UWE Bristol Sustainability Board, which reports to the VCAB, Board of Governors and Academic Board. Leadership of the Sustainability Plan is delegated to the Deputy Vice-Chancellor and Assistant Vice Chancellor and through them to the teams that will deliver the aims of the plan. The Plan is divided into 11 thematic areas with an implementation plan for each of the thematic areas detailing the actions that will be delivered and mechanisms to be followed to meet the aims of the plan. Each thematic area has a project group and these groups report on a quarterly basis to the Sustainability Board.

The University is accredited to the ISO14001 Environmental Management System and this is used to ensure management systems are in place to deliver high quality environmental outcomes. The EMS is audited annually by an external party.

This report provides a summary overview of progress in 2014/15 against the 11 thematic areas of the Sustainability Plan. The report documents each theme and its overall aim and provides a brief summary of progress to date. This progress is then summarised visually through the use of the RAG (Red, Amber Green) system. Of the 11 themes, seven are identified as green, three as amber and one as red. In addition to the theme areas an additional section on sustainable food has been added to recognise the progress made in this area.

Health and Wellbeing

We have already achieved a great deal in creating and ensuring a healthy and sustainable environment for UWE Bristol students, staff and our wider community. We have delivered easier access to health and wellbeing services, increased opportunities to participate in physical activity, increased options for healthier and sustainably sourced food on all campuses. Our Healthy University Plan, together with other supporting plans including the Travel Plan, have established the conditions to enable students and staff to easily participate in healthier lifestyle choices whilst studying and working at UWE Bristol.

Aim

UWE Bristol aims to provide a positive and enjoyable student, staff and visitor experience. It aims to enhance everyone's health and wellbeing by creating and promoting healthier working, learning and social environments.

Significant achievements in 2014/15

The University of the West of England (UWE) runs a Pedometer Challenge every year to encourage walking and to improve the mental wellbeing of staff. The number of teams involved over the last three years has increased massively, with the Pedometer Challenge becoming the most popular cross-university competition run at UWE. This year UWE had **545 members of staff** taking part. The teams managed to beat their target by more than 6%, which means they walked a total of **41,304,831 steps (20,652 miles)** which is the equivalent of walking from Bristol to Melbourne, Australia and back in just 7 days! The Pedometer Challenge was created because UWE wanted to run an initiative that combined Mental Wellbeing and Physical Activity. The challenge was first launched during Walk to Work week which helped reinforce walking as a way to better mental health. The challenge was later embedded in the university's wider health and wellbeing campaign called Feel Good February, which is a whole month dedicated to promoting health and wellbeing initiatives. Having the Pedometer Challenge within Feel Good February provided staff with another option to get healthy and active without needing a gym membership or paying for costly equipment. This year's Pedometer Challenge is currently being evaluated. So far over 200 members of staff have completed the evaluation survey and focus groups are being held over the summer period. The evaluation is expected to be finished by January 2016.

From the qualitative data feedback is overwhelmingly positive. Staff are thankful to the university for running the challenge and the majority have asked for the challenge to be run twice a year. Organising the challenge brings together colleagues from the Centre for Sports and HR and allows them to focus on physical activity and mental wellbeing in a more joined up way. This collaboration between colleagues reduces duplication, breaks down the departmental silos and allows for the Healthy University whole system approach to be executed in a consistent and effective way across the whole university.



Progress against breakthrough indicator

“ UWE is a smoke free University”

- Newly established Smokefree Implementation Group led by Facilities.
- Action plan to secure and enforce Smokefree areas across UWE.
- Launched a survey for staff to gain feedback about Smokefree areas
- Planned launch of Smokefree campus initiative January 2016

Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
Increased diversity of the mechanisms for communicating health and wellbeing information, initiatives and activities to all UWE Bristol staff and students.	No baseline available	<ul style="list-style-type: none"> • Feel Good Champions scheme established • Part-time Internship continued • Increased UG and PG projects and placements • Increased targeted social media communication to staff and students • Health and wellbeing integrated into UWE Prospectus. • Establish a presence at Freshers' Fair, International student orientation and Welcome Weekend
Increased engagement with health and wellbeing communications and participation in events and activities through increased: <ul style="list-style-type: none"> - Students' Union network sign up - Web stats data - Event sign up - Web page views - Evaluation of key initiatives 	No baseline available	<ul style="list-style-type: none"> • Increased engagement of students and staff through successful health related initiatives i.e. <ul style="list-style-type: none"> - Feel Good February (FGF) <ul style="list-style-type: none"> ○ 6,200 participants, 217 events. 1,700 web page views throughout February - Staff Pedometer Challenge <ul style="list-style-type: none"> ○ 545 participants - Workplace Wellbeing Charter <ul style="list-style-type: none"> ○ Accreditation in all 8 areas of the charter - Time to Change <ul style="list-style-type: none"> ○ Staff wellbeing champions network established • Increased focus on accessible and affordable healthy food • Increased focus on physical activity opportunities for sedentary students with the Off the Wall project . • Evaluation of FGF, Pedometer Challenge and Fruit and Vegetable Stall. • Registration on the NUS Alcohol Impact programme by end of July 2015. Duration 3 years. Awaiting confirmation of support from UWE Directorate for subscription fee.
Implementation of smoke free spaces across the University through: <ul style="list-style-type: none"> - increased numbers of trained smoke free advisors - increased number of clients accessing the smoke free clinics 	No baseline available	This target is now redundant as the Smokefree Implementation Plan which strives to create a smokefree campus by 2016, has superseded has it.
Increased numbers of external partnerships for health and wellbeing	No baseline available	<ul style="list-style-type: none"> • Increased numbers of external partnerships in fields of smoking, alcohol and drugs, mental health, public health. • Student projects agreed with a number of courses: Health Psychology, Environmental Health, Physical Activity and Community Health, Sports Nutrition, Events Management, Sociology.
Reduction in stress-related staff sickness absence.	No baseline available	<ul style="list-style-type: none"> • UWE is first large organisation to be accredited in all 8 areas of the Bristol Workplace Wellbeing Charter. • Action plan in place to obtain increasingly higher levels of success: Leadership/attendance management, health and safety, physical activity, alcohol and substance misuse, healthy eating, mental health, smoking.
One campus to be smoke free by end 2016	No smokefree campus	<ul style="list-style-type: none"> • Newly established Smokefree Implementation Group led by Facilities. • Action plan to secure and enforce Smokefree areas across UWE. • Launched a survey for staff to gain feedback about Smokefree areas <p>Planned launch of Smokefree campus initiative January 2016</p>

Engagement

UWE Bristol recognises that it is vital to nurture staff and students' concern, passion and energy to make a positive difference in the world and to be active agents in our future. Enabling people to do this is central to our approach to sustainability both within the university and the wider local and global community.

Aim

Central to this ethos of active citizenship, the opportunity to engage in sustainability issues is a key part of staff and student experience at the university. We will work to: develop opportunities, further embed good practice, raise awareness and develop the skills of staff and students with the aim of influencing their behaviour. We recognise that for those less actively engaged we will need a range of strategies, in particular ones which challenge routine habits and practices.

Significant achievement in 2014/15

Our overall significant achievement for 2014/15 has to be the widespread engagement in sustainability issues by staff and students during Bristol 2015 European Green Capital year. Building on the solid foundations of work previously done by many in the university, we have been able to make the most of Bristol 2015. Bristol Green Capital 2015:-

- Provided a platform to extend our engagement across UWE
- Excited and engaged people and brought us new audiences
- Increased collaboration between departments
- Increased visibility of sustainability in the work of the University.
- Provided a whole host of events and projects for staff and students to go to and get involved in both in UWE and in the city
- Raised the profile of UWE in the city and beyond.



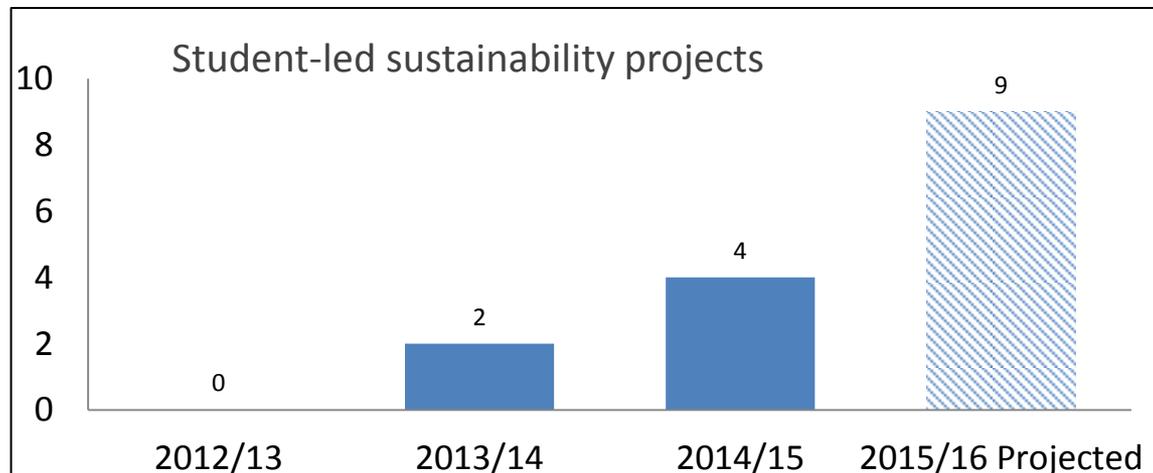
Progress against breakthrough indicator

“Student driven priority setting and reporting for sustainability”

Progress has been made in 2014/5, particularly when viewed in the context of the last few years. In 2011/2 the Students’ Union had no designated officer post nor anyone employed to further the sustainability agenda in the Union. Sustainability initiatives were led by the general manager together with the sustainability team in liaison with the elected student officers. In 2012/3 a student was employed for one day a week and one elected officer took specific responsibility for sustainability, although others were engaged in various issues. In 2013/4 a Green Leader Co-ordinator was appointed, a People and Planet group flourished and again one of the elected officers took responsibility for sustainability. In addition for the first time ever, the post of elected Sustainability Officer was created.

In 2014/5 the Student Union has maintained the Green Leader programme (now called the Green Team) and full time co-ordinator, (funded by UWE), an elected part-time sustainability officer as well as having a Vice President responsible for the agenda. In addition other officers have actively engaged in the sustainability agenda.

All these are signs that the culture of the Students’ Union is shifting and quite significantly from a few years ago. This shift is reflected in the increase in numbers of student-led projects as illustrated in the graph. In particular from January of 2015, as explained above, Bristol European Green Capital has given a real boost to our work here, bringing in new audiences and providing a focus for action.



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
The number of active staff and student supporters and the number of different ways they can get involved	168	428
The range and type of collaborations with various groups to drive innovation	<p>Staff sustainability network</p> <p>Staff/student Hospitality Services group</p> <p>Partnership with the Student Union</p> <p>Liaison with KESE</p> <p>All UWE Fairtrade network</p>	<p>Staff sustainability network</p> <p>Staff/student Hospitality Services group</p> <p>Partnership with SU Green Leaders</p> <p>Collaboration with KESE</p> <p>All UWE Fairtrade network</p> <p>Bee group</p>
The range and number of tailored engagement/habit change programs	<p>Student Switch Off</p> <p>Staff challenges e.g. energy challenge in Q block, Waste challenge in Wallscourt</p> <p>Students Shower shorter initiative</p> <p>Green office</p>	<p>Student Switch off</p> <p>Food waste prevention and recycling for staff and students</p> <p>Get cycling!</p> <p>Green office ongoing</p>
The range and number of students/academic co-learning activities	No accurate baseline available	<p>Talks 12</p> <p>Inquiries approx. 41</p> <p>Masters student WBL 4</p> <p>Student placements 2</p> <p>Wildlife walks specifically for students 3</p>
The result of specific drives and challenges e.g. Student Switch-Off, Energy and Waste challenges	No accurate baseline available	<p>Student Switch off 4.2%</p> <p>(Mendip 5th out of 100s of halls in EU SAVES competition)</p> <p>Cycling campaign shows slow year-on-year increase in cycling</p> <p>Bristol Big Give, Furniture recycling scheme and WARPit</p>
90% satisfaction result with opportunities offered for engagement in sustainability issues in Student Satisfaction Survey	No baseline present	<p>No questions asked on internal UWE survey. The challenge is to get appropriate questions incorporated.</p>

Education for Sustainable Development

UWE Bristol strives to be a sustainability literate community. We foster a culture that encourages our students, staff and partners to co-develop the knowledge, skills and values that promote behaviour and approaches that support the goal of reconciling human needs and aspirations with the environmental limits of the planet. UWE aspires to be a leader in the application of sustainability thinking and to exemplify through its own actions an archetype of a sustainable university.

Aim

Ensuring a sustainability culture permeates our curriculum, research and the knowledge base of our staff and students
Enabling sustainable and healthy behaviour to underpin all that UWE Bristol does

Significant achievement in 2014/15

A key development in 2014/15 was the inclusion of education for sustainable development (ESD) as an explicit consideration within our quality management and enhancement framework (QMEF) processes. Academics and quality managers are now required to reflect on the contribution which their module, programme and/or department makes to UWE's ESD goals. This must be done as part of regular annual reporting and as part of curriculum design and review processes. This new data source will help us to deepen our understanding of current practice, will raise awareness of ESD within staff teams and will enable us to identify opportunities for enhancing our support for staff and our ESD provision for students.



Jonathon Porritt speaking to staff and students at UWE in May 2015 – part of a series of events supporting staff and student engagement in sustainable development.

Progress against breakthrough indicator

“Sustainable development formal and informal learning opportunities available for all students and staff.’ ‘In the context of their discipline all students will have the opportunity to explore and put into practice sustainable development concepts.”

Many learning opportunities, both formal and informal, alongside resources, have been developed. These include lectures and seminars, networking and action events, ADP sessions, and online resources. Curriculum review processes within all departments will further identify existing and opportunities for the development of new activities which will give students the opportunity to explore and put into practice sustainable development concepts.

Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<p>Number of UWE graduates per year with ESD skills and experience</p> <ul style="list-style-type: none"> • 2014/15 80% of UWE graduates have ESD skills and experience 		<p>Existing mechanism of triangulating data from module and programme specs with HoD interview data has revealed target met (2013/14 96% of graduates)</p> <p>New data source (QMEF module and programme reports) will allow for more refined narrative of position if an appropriate data extraction mechanism can be identified and actioned.</p>
<p>Percentage of UWE UG and PG students exposed to ESD in their degree</p> <ul style="list-style-type: none"> • 2014/15 80% of students exposed to concepts of ESD • 2020 all students exposed to the concepts of ESD 	<p>71% of students exposed to the concepts of ESD</p>	<p>2014/15 target achieved as per notes above.</p>
<p>Students completing new UWE e- learning resource for Sustainable Development</p> <ul style="list-style-type: none"> • 2014/15 10% of students complete the new UWE e- learning resource for Sustainable Development 		<p>Resources have been prepared and disseminated via face-to-face sessions.</p> <p>Over 100 students have been part of preparations of the online learning resource, including testing of content. The launch of the resource will form part of ongoing Green Capital activities.</p> <p>10% student completion target rolls forward to 2015/16. Approved by Sustainability Board.</p>
<p>Number of research and KE bids in the field of Sustainable Development</p>		<p>Sustainability featured in a significant number of impact case studies submitted as part of REF 2014. 2 out of the 3 UWE impact case studies selected by the Alliance Mission Group to represent high quality and diverse contributions to the demonstration of the contribution of the group to society, were explicitly sustainability-focused.</p>

Sustainable Procurement

In 2011/12 UWE Bristol procured £76m of goods and services. By working collaboratively with other public sector partners and factoring into procurement environmental protection, the pursuit of social and corporate objectives as well as economic efficiency we will continue to improve the sustainability of UWE and its wider supply chain, reduce whole life costs and minimise our exposure to supply chain risk.

Aim

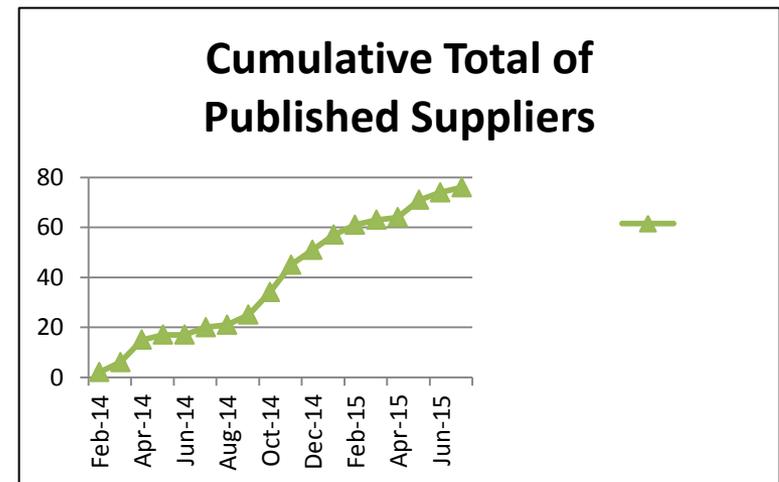
To use maximise the opportunity provided by procurement to improve the sustainability of the UWE Bristol supply chain and purchasing decisions.

Significant achievement in 2014/15

Adoption of CIPS Sustainability Index (CIPS-SI) by UWE Suppliers has increased significantly during 2014/15 with 76 suppliers having completed their audits and results published on the Index. The mean average UWE supplier score in the Environmental, Economic and Social areas compares favourably against the total average scores for the whole Index. There has been one occasion where a key UWE supplier's environmental score was significantly low: the Index highlighted where improvement could be made in this area and this was then raised at the next contract review meeting. The Index scores expire after 12 months and we are now beginning to see our first round of suppliers having their second annual audit.

UWE held a Green Supplier Day for local SMEs and over 100 people from local businesses attended.

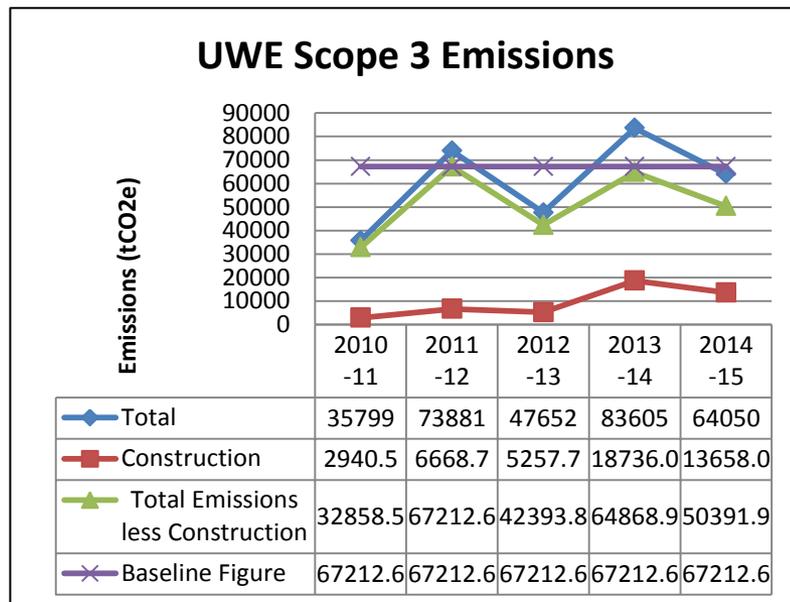
Publication of UWE Supplier Data on CIPS-SI



Progress against breakthrough indicator

‘Customer trust in a transparent sustainable UWE Bristol supply chain’

- The supply chain regard UWE as both an Ethical and Sustainable purchaser, this is evidenced by growth in the numbers of suppliers signing up to the CSI Index, sustainability criteria within tender documents and our achievement of ISO14001.
- Two members of the Purchasing team have successfully completed the CIPS Ethical Procurement and Supply accreditation.
- Having sustainability as a standing agenda item on supplier contract review meeting also assists with supply chain transparency around sustainability.



UWE Scope 3 Emissions

Scope 3 emissions have dropped overall from 83,605 tCO₂e to 63,980 tCO₂e. This incorporates a circa 5 tonne decrease in construction emissions. The emissions total is calculated on average emissions based on the level of spend on each category. Although emissions are down, emissions on food and catering have increased sharply from 5,092 tonnes to 13,723.

Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<p>Carbon footprint of the UWE supply chain</p> <ul style="list-style-type: none"> 30% reduction (excluding construction) by end 2019/2020 	Initial Scope 3 emission figure calculated as 73,811 tCO ₂ e for 2011/12 (67,212.6 tCO ₂ e excluding construction)	2014/15 figure calculated as 64,050 tCO ₂ e (50,392 tCO ₂ e excluding construction). This is a 23.3% decrease on our 2013/14 Scope 3 emission figure and 13.2% lower than the 2011/12 baseline figure.
Supplier engagement in collaborative performance improvement	No Baseline present	<p>An initiative began in January 2014 to approach selected UWE suppliers¹ inviting them to register with the CIPS-SI in order to improve supplier Sustainability monitoring.</p> <p>143 key suppliers were contacted in wave 1 and 224 contacted in wave 2. Although initial interest was low, supplier engagement increased later in the academic year as more Universities engaged with the Index.</p> <p><i>No new mail-out initiatives undertaken in 2014/15.</i></p>
Completion and consideration of lifecycle analysis for all significant procurement decisions (tender threshold)	No Baseline present	<p>WLC part of the evaluation criteria for new Faculty of Business and Law.</p> <p>(Excludes WLC construction tenders)</p>
% by value of local, SME and Fairtrade goods and services	<p>38% of UWE non-pay spend is with SMEs. This figures exceeds Government target of 30%</p> <p>60% of UWE non pay spend is spent within a 50 mile radius.</p> <p>Value of Fairtrade / fairly traded goods not recorded by Purchasing Team</p>	<p>41% of UWE non-pay spend is with SMEs. This figures exceeds Government target of 30%</p> <p>56% of UWE non pay spend is spent within a 50 mile radius.</p> <p>(These figures have been affected by increased spending on capital estates projects)</p> <p>Value of Fairtrade / fairly traded goods not recorded by Purchasing Team</p>
CSI index score of the UWE supply chain	No data due to the CIPS SI initiative commencing in 2013.	76 suppliers published on the index. Results for suppliers who have reached their first

Campus Development

During the life of the Sustainability Plan the University will progress with the development and delivery of campus master planning. Sustainable campus development is critical to the long term sustainability performance of the University.

Aim

Sustainability will be included from the outset in all construction, refurbishment and landscaping projects utilising smart design, innovation and procurement to address all relevant aspects of sustainability described within the Sustainability Plan and in particular human and social impacts, climate change mitigation and adaptation.

Significant achievement in 2014/15

2014/15 has seen a substantial increase in activity in relation to Campus Developments.

Consistent with the desire to create green, pleasant, healthy and sustainable campuses, significant developments have been completed/ progressed which improve the overall condition and functional suitability of the University Estate. This includes:

- The disposal of St Matthias campus which was no longer fit for purpose.
- Major development commencing within T Block, which was the worst energy performer on the Frenchay Campus site.
- Sustainable design features included within the new Students Union, Student Accommodation Phase 2, Faculty of Business and Law and Building 1 at Bower Ashton.
- Business Cases for a Combined Heat and Power project and Photovoltaics project prepared and presentations made to both the Strategic Programme and Portfolio Boards. If approved/ installed, approx. 1200 T/CO₂ and 200T/CO₂ will be abated respectively and the latter will create the largest roof mounted PV array in the Bristol region.
- Master Planning for the new sustainable Bus Hub and proposed North to South Greenway continues.



Progress against breakthrough indicator

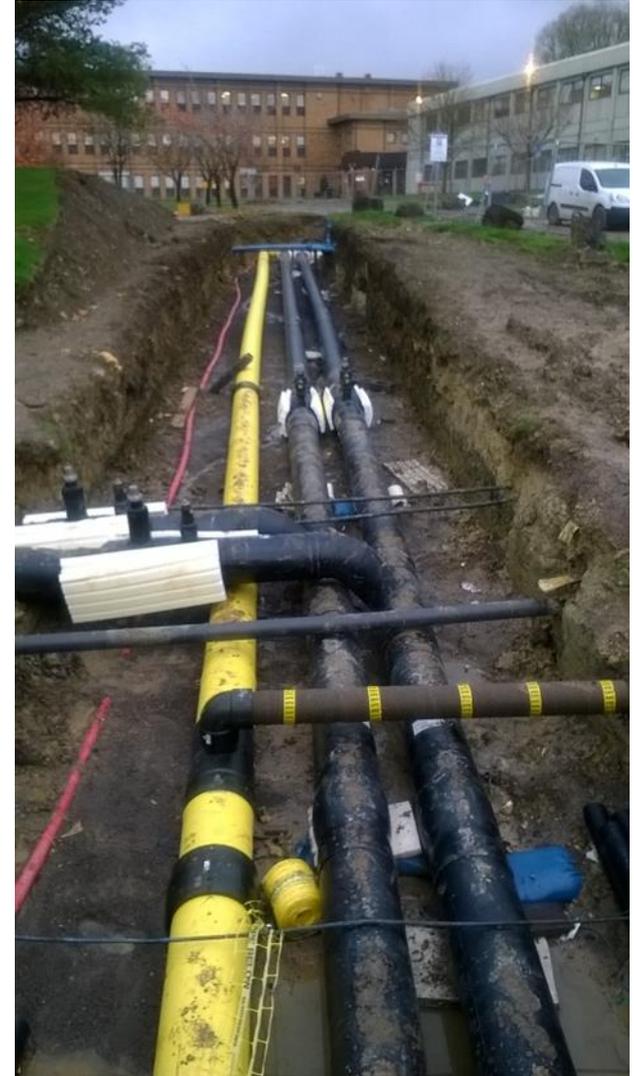
“By 2020, at least one new building on the Frenchay campus

- To be designed to zero carbon
- To report on the embodied carbon of construction”

No progress specifically as yet for an identified building, however UWE has future proofed its Frenchay Campus by investing in the installation of a district heating network which has the potential to serve a number of Campus Developments.

The network was installed during 2015 and is awaiting final connections once the Combined Heat and Power project has been completed. The CHP Business Case is being prepared and once approved and the project complete, the CHP plant will serve the Students Union, Faculty of Business and Law, University Enterprise Zone projects and Phase 2 of the Student Accommodation schemes.

It is estimated the CHP project will abate approximately 1,200 T/CO₂ per annum and will be the single largest sustainable project in the Campus Development programme.



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
Measurement of operational carbon footprint/m2 of completed construction and refurbishment projects of value £0.5m+ for 1st year following completion		On Track - Ongoing monitoring of completed projects - Wallscourt Park Residences, Bower refurbishment and Students Union taking place and improvements being instigated.
Space utilisation improvement of 5% by 2020 (base 23%)		Slippage – New capital development will result in substantial area of vacated estate on Frenchay campus. The functional suitability of this space for alternative usages has to be reviewed, and its ‘re-use’ has to be seriously explored before building further new buildings.
All new buildings and significant refurbishment projects to be assessed against BREEAM standard and costs and benefits of acquiring Excellence status to be explicitly considered		Slippage – Performance against BREEAM standards vary amongst projects. Building 1 at Bower Ashton is the only scheme which is formally registered and aiming for Excellent. The FBL and Student Accommodation Phase 2 is not formally registered, but Assessors are engaged to review performance (both Excellent aspirations).
Completed projects to exceed by 5% Building Regulations Part L2A targets for carbon emissions		Off Target – Only Bower Ashton Building 1 and the FBL are expected to provide more than 5% betterment. An overall betterment of Part L by 10% was originally planned for the Student Union, however this impacted by the higher than anticipated tender resulting in considerable value engineering. Both T Block and Wallscourt Park are expected to marginally improve upon Building Regulations but not to exceed the 5% target.
New buildings to perform to within 20% of energy efficiency of design prediction by utilising a soft landings champion and an independent commissioning agent		Slippage - A comparison of actual vs design energy use is due to be carried out in the coming months by the Energy Team. A variety of approaches to Soft Landings have been adopted on different projects (for example, soft landings champion in-house vs external; number of years post occupancy support etc.). Over the coming months, Estates team will be reviewing the successes/lessons learnt from these different approaches to come up with our preferred approach. Currently, no projects have used an independent commissioning agent.
All significant landscaping projects to achieve CEEQUAL Very Good pre-assessment rating		Slippage - Landscaping Works undertaken to date have been as part of other Works. Two significant projects that may take place in due course include final landscaping in central plaza and bus Interchange.

Carbon Management

The 2008 Climate Change Act commits the UK to a carbon reduction target of 80% by 2050 (1990 base), with an interim target of 34% by 2020 set in the 2009 budget. The Committee on Climate Change has recommended the 2020 target be raised to 42%. Since 2011 HEFCE capital allocations have been linked to scope 1 and 2 carbon reduction, and UWE has been set a target by HEFCE of 22.5% absolute reduction by 2020 (2005 base). At COP21 the Mayor of Bristol committed the city to a 100% reduction by 2050.

Aim

Continual reduction in the carbon footprint of the University in line with the Carbon Management Plan.

Significant achievement in 2014/15

Bower Ashton Courtyard Infill Project using Soft Landings Principles

Through keeping energy saving on the forefront of design decisions, a 46% improvement on pre-refurbishment energy usage (kWh/m²/annum) has been achieved, based on current data available. This was enabled through using the BSRIA Soft Landing principles throughout design, handover and post-construction.

Additional activities in 2014/15

- Additional 9.25kWp Solar PV installed ON WPR Phase1 and Bower A Block
- Glenside Draught proofing
- LEDs installed in E Block Undercroft (Frenchay)

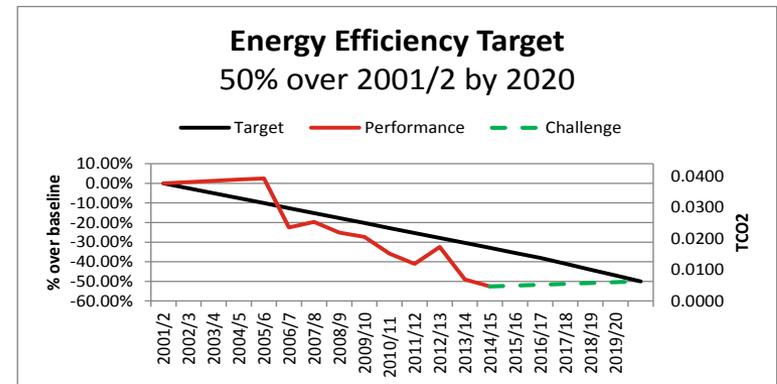
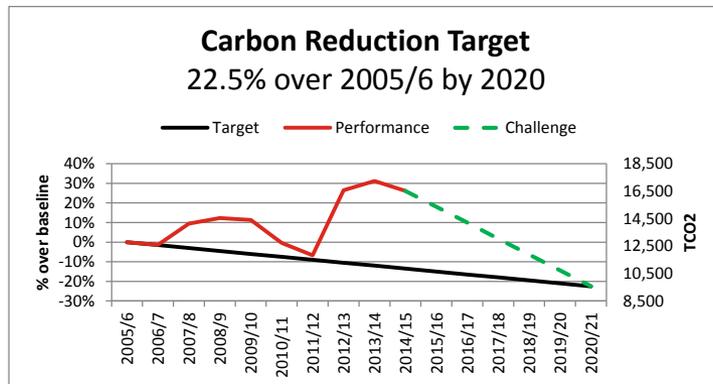


Bower Ashton courtyard infill

Progress against breakthrough indicator

“Each Faculty and Service operates to a carbon budget’ and ‘On track for a carbon neutral campus by 2040”

- UWE Energy Team have plans to implement a Carbon Budgets trial with one faculty for 2016/17 for roll out across the organisation for 2017/18.
- Progress towards a carbon neutral campus can be judged against the University’s carbon emissions (as carbon dioxide equivalent CO₂e) in 2014/15 calculated and reported according to the Scope 1-3 methodology. The 2014-15 performance shows that the Scope 1-3 emissions are as follows:-
 - Scope 1 5513 tCO₂e y⁻¹ (burning of fuels on site)
 - Scope 2 11240 tCO₂e y⁻¹ (emissions associated with purchased energy)
 - Scope 3 64,558 tCO₂e y⁻¹ (including construction) and
 - 48,692 tCO₂e y⁻¹ (excluding construction).
- The Scope 3 total is comprised of the following contributions:-
 - Procurement = 63,980 tCO₂e y⁻¹ with construction (excluding construction 48,114 tCO₂e y⁻¹)
 - Water = 218 tCO₂e y⁻¹
 - Sewage (wastewater) =111 tCO₂e y⁻¹
 - Waste = 69 tCO₂e y⁻¹
 - Student Commuting = (26.1 (bus) +37.9 (car) + 0.1 (motorbike)) = 64 tCO₂e y⁻¹
 - Staff Commuting = (1.2 (rail) +5.7 (bus) + 107.8 (car) + 1.3 (motorbike)) = 116 tCO₂e y⁻¹
- Adding this to the Scope 1 & 2 emissions gives a total of 81,311 tCO₂e y⁻¹ (including construction).
- For the 2014/15 FTE student and staff population this is 2.93 tCO₂e per capita



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<p>For scope 1 and 2 emissions: Absolute reduction from 2005/6 – 2020/21:</p> <ul style="list-style-type: none"> 1.5% annual reduction 2016 interim target: 16.5% total reduction equating to 22.5% total reduction by 2020/21 	<p>11,765 tCO₂y⁻¹</p> <p>7.4% <u>under</u> the 2005/6 baseline 13376 tCO₂e y⁻¹</p>	<p>15,908 tCO₂y⁻¹</p> <p>25.25% <u>over</u> the 2005/6 baseline. This increase shows we are not on track for the 2020 target and are likely to miss the 2016 interim target. A review has been carried out of the targets and the projects planned, and the 2020 target is still considered appropriate and achievable.</p>
<p>For scope 1 and 2 emissions: Relative reduction from 2001/2 - 2020/21:</p> <ul style="list-style-type: none"> 2016 interim target: 38% relative reduction 50% relative reduction (based on kg CO₂ per m² and average weather) 	<p>49.9 kg CO₂m² (weather adjusted to 2001)</p> <p>-42.49% <u>under</u> the 2001/2 baseline 86.8 tCO₂m² y⁻¹</p>	<p>40.2 kg CO₂m² (weather adjusted to 2001)</p> <p>-53% <u>under</u> the 2001/2 baseline. This shows we are on track for the 2020 target, and likely to exceed our 2016 interim target. It is proposed that this target is re-baselined to the 2005/6 year to match the Absolute Carbon Reduction Target baseline year.</p>
<p>Set baseline for all four areas of scope 3 emissions by 2014 revision of our Carbon Management Plan</p>	<p>Currently no baseline.</p>	<p>Scope 1 -3 calculated according to agreed methodology. Uncertainties noted. Next step is to agree process for routine updating of data with those responsibility for that data.</p>
<p>10% of the University's electricity, and 5% of the University's gas consumption to be generated from on, or near, site low or zero carbon technologies by 2020.</p>	<p><0.1% electricity consumed on site in 2011/12 was generated by on site renewables. This was the R Block (Ph 1) PV system.</p> <p>0% gas equivalent consumed on site in 2011/12 was fuelled by on site renewables.</p>	<p><0.3% electricity consumed on site in 2014/15 was generated by on site renewables. This was the R Block, Sport, WPR 1 and Bower installations.</p> <p>0% gas equivalent consumed on site in 2014/15 was fuelled by on site renewables. This is due to biofuel boiler in R block (ph 2) being out-of-service. Due to be brought back into service Summer 2016.</p>

Waste, Emissions and Discharges

Waste, emissions and discharges are a strong indicator of the effectiveness of our use of resources. These externalities need to be tackled to ensure broader environmental, social and economic costs of production and consumption are taken into account.

Aim

To reduce the amount and hazardousness of waste, emissions and discharges.

Significant achievement in 2014/15

UWE is increasingly focusing on measures to reuse and prevent waste. A key reuse initiative that took off during 2013/14 has been the reallocation of surplus furniture. A managed furniture warehouse in combination with an online reuse portal (www.warp-it.co.uk) has enabled UWE to reuse 40 tonnes of surplus items. This led to a total estimated saving to UWE of £170,000 in avoided procurement and avoided waste disposal costs.

Some items cannot be reallocated within UWE, and so the university has donated £40,000 worth of surplus furniture to local charities and brought in £600 of externally sourced income through staff sales.

Furniture warehouse



The image above shows the furniture warehouse in T Block, which stores surplus UWE furniture. Storing furniture in this way allows the university to reduce its environmental and financial burden – as far as possible items are rehomed within UWE (enabling major procurement savings). Failing that, items are donated to local charities.

Progress against breakthrough indicator

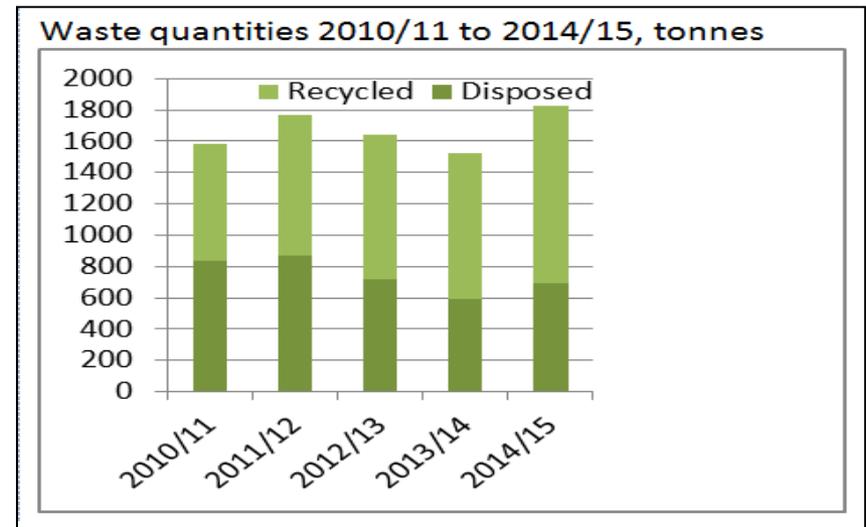
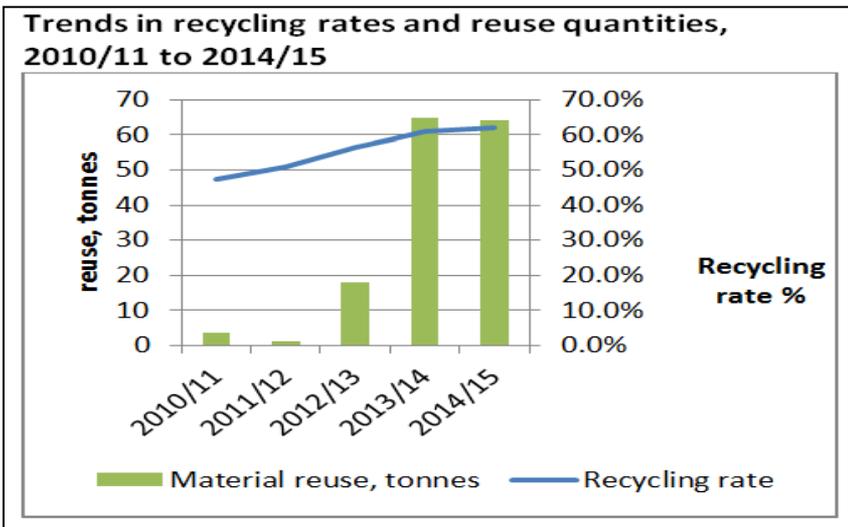
“UWE Bristol to be wholly integrated in a circular economy where discarded materials are kept within the economic cycle in such a way which maximises their value”

There has been good progress in certain areas. The following initiatives represent adoption of circular economy principals in management of previously discarded resources:-

Managed furniture reallocation project, and donation of surplus furniture to local charities – 44 tonnes of material that would previously been disposed have been recirculated through these measures,

- Textiles reuse during the Big Give campaign at the end of student accommodation contracts - UWE and UWESU are key participants in a Bristol-wide campaign which resulted in some 80 tonnes of materials being recirculated.
- Food waste collection across all campuses now results in 62 tonnes of organic nutrients being diverted from landfill, and utilised to generate electricity at an anaerobic digestion (AD) facility. The output of the AD plant is used as a non-fossil fuel fertiliser on local agricultural land,
- UWE’s mixed (residual) waste stream is now sent for treatment rather than directly to landfill. This treatment process mechanically separates organic nutrients from the technological nutrients. Organic nutrients are returned to the soil.

To fully engage with a circular economy model will require a programme of works addressing resource management and identification of circular economic opportunities within UWEs supply chain.



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
Absolute and relative/FTE student solid waste (tonnes) excluding construction <ul style="list-style-type: none"> 15% reduction solid waste by end 2019/2020 	Total waste: 1,764 tonnes (excluding construction) [relative arisings not reported – need to work out which FTE fig to use]	Total waste: 1,822 tonnes (excluding construction) [relative arisings not reported – need to work out which FTE fig to use]
Recycling <ul style="list-style-type: none"> 70% recycling by end 2015/16 80% recycling by end 2019/20 	Recycling rate: 51%	Recycling rate: 62.2%
Construction waste recovery <ul style="list-style-type: none"> 80% recovery by end 2019/2020 	No baseline	Construction waste recovery: 68.4%
Reducing hazardous waste This comprises of a number of hazardous wastes – including asbestos, lab wastes, batteries, fluorescent tubes, printing chemicals, etc.	32.1 tonnes of hazardous waste produced	20.8 tonnes
Reducing non CO₂ greenhouse gas emissions associated with scope 1		<i>[This is reported within GHG CO₂ equivalent emissions under carbon management reporting.]</i>
Reducing the hazardousness of trade effluent	<u>From 2008 sampling</u> <ul style="list-style-type: none"> Average yearly settled COD: 408 Average yearly suspended solids: 388 All metal contaminants at or below analytical reporting limits. pH falls within acceptable range.	No new sampling has taken place of UWE's trade effluent. UWE continues to be regarded as low risk by water treatment company.
Reportable incidents of pollution of land and water Zero reported environmental incidents		Reported incidents (to environmental regulator): 1

Water

Water shortage due to falling water reserves and higher demand, the carbon footprint of water supply and the social and economic impacts associated with water supply all require UWE Bristol to take action to reduce the consumption of supplied water. By using less water the University will save money on water supply costs, on wastewater disposal charges and the energy used to heat hot water that may be wasted.

Aim

Reduce the use of supplied water

Significant achievement in 2014/15

Installation of Astro turf Water Meter

New water meter installed to monitor the water consumption by the water cannons at the Astro turf, Centre for Sport, Frenchay. The cannons have been identified as a heavy water user, and previously the astro turf meter was not providing accurate data, making it difficult to manage consumption. With the new meter, UWE Energy and Centre for Sport can work together to reduce water consumption significantly.

Additional activities in 2014/15

- Trial of Water descaler technology to improve heating efficiency at Student Village
- Estates facilitation of UWE Water Research Team projects on Student Village and New student accommodation
- Working with Water Matters consultants to carry out leakage surveys of Frenchay Campus already identifying significant opportunities.



New water meter for the astro turf water cannons

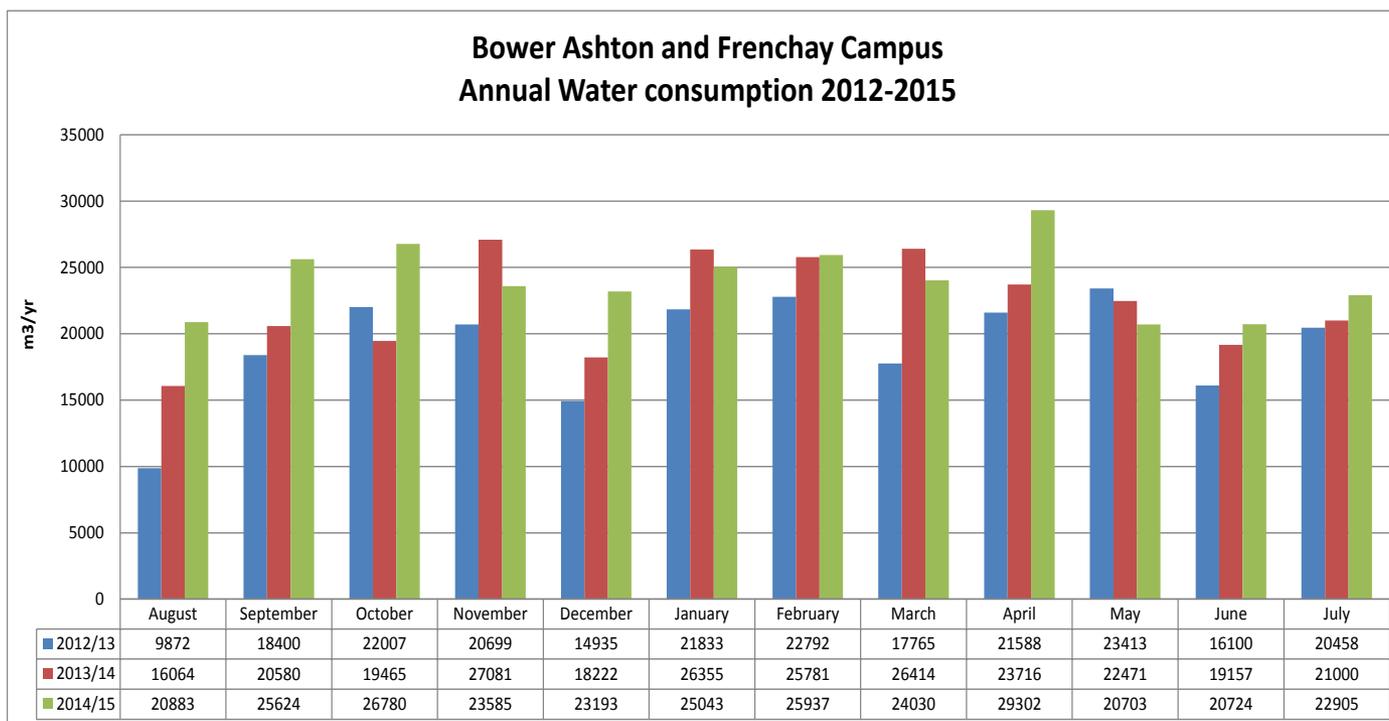


Water canons watering the astro turf (photo copyright :<https://www.flickr.com/photos/dcapener/14428327139>)

Progress against breakthrough indicator

“Master planning maximises the opportunity for sustainable urban drainage system management of water, including full adoption of rainwater harvesting, grey water systems and habitat creation”

Currently no plans in the masterplan to address sustainable urban drainage system such as rainwater harvesting, grey water systems and habitat creation



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
Reduction in absolute water use from the supply network	Absolute supplied water usage: 216,833 cubic metres	Absolute supplied water usage: 324,976 cubic metres (50% increase over baseline)
Reduction in relative water use per student FTE <ul style="list-style-type: none"> 20% relative reduction in supplied water use by end of 2019/2020 	Relative supplied water usage: 7.9 cubic metres/FTE student	Relative supplied water usage: 11.71 cubic metres/FTE student (48% increase over baseline)
Increase in total rainwater harvesting capacity	R2 rainwater harvesting	No change to baseline.

IT and Enabling Digital Media

IT plays a significant role in the sustainability of UWE Bristol in many ways including data centre energy use, the life cycle of hardware materials, enabling e-learning and working, operation of campus buildings and delivery of services.

Aim

Continually improve the sustainability of the IT infrastructure whilst maximising the wider social and environmental benefits enabled by IT.

Significant achievement in 2014/15

- Our current thin client units were coming to the end of life in July 2015. The solution considered brought many benefits and the drivers of the project were as follows:
- Provide more and better multimedia functionality in both staff and student Thin Client environments;
- Provide dual-screen support for staff and students;
- To support Lync in Staff Thin Client Environment;
- Improve USB provision in the Thin Client environment;
- Save money for the University.

ITS wanted to ensure they were as sustainable as possible choosing a partner that was also ranked highly as a company supporting the reduced usage of Conflict Minerals in its parts.

The mini PC was considered as a replacement to the Thin Clients as well as Thick Clients that had come to end of life.

Testing focused on:-

- Compatibility with the current build (installation of OS and key applications);
- Boot up time;
- Logon time;
- Power consumption;
- Bench Marking (using PassMark);
- Sustainability (Energy Star and EPEAT accreditation).

The HP 800 G1 mini was chosen as it surpassed the project requirements and 750 are being deployed across the University. This product is also repairable, its parts can be replaced and is under warranty, so again parts can be replaced.



Specification	HP 800 G1 Mini
Price	£431.83
CPU	Intel i5 Processor
RAM	4 GB
HDD	128GB SSD
Boot Up Time	
Power up	15 Seconds
Logon Time	15.3 Seconds
Total Time	30.3 Seconds
Port Types	
VGA	1
DisplayPort	2
Mini DisplayPort	0
HDMI	0
Mini HDMI	0
USB Ports	6
Inputs Provided	
Keyboard	YES
Mouse	YES
Power Cable	YES
Power Consumption	
Watts	31 Watts
Benchmark	
PassMark	2170
Sustainability	
EPEAT Accredited	Yes (Gold)
Energy Star	YES
Service	
Warranty	5 Years (paid for)
Dead On Arrival (DOA)	If DOA, replaced by supplier

Progress against breakthrough indicator

“User satisfaction that our IT infrastructure and systems provide outstanding support for the delivery of all aspects of this sustainability plan”

Current statistics available on availability working towards development of user satisfaction on aspects of sustainability.

Key System Availability July 2015

ITS have a target of 99.5% system availability*

Blackboard	- virtual learning environment	99.86%
SITS	- admissions	99.45%
ISIS	- student information system	99.58%
SharePoint	- communication, collaboration and information repository	99.98%
Network	- provides access to all systems	99.98%

* This is less than 3h 40m 'down time' per month day or night. This excludes planned shutdown weekends which take place twice per year.

Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<p>UWE Bristol's position in relation to green IT industry best practice for:</p> <ul style="list-style-type: none"> Data Centre efficiency target Data centre Power Usage Effectiveness (PUE) of 1.4 	No Baseline present	Servers held in Data Centre have PUE of 1.4
<p>UWE Bristol's position in relation to green IT industry best practice for:</p> <ul style="list-style-type: none"> Virtualisation 		<p>In the last 10 years work has been put in place to move to virtual servers where possible.</p> <p>2005 180 Virtual Servers</p> <p>2013 560 Virtual Servers</p> <p>Have 16 main host servers and 32 servers hosting Virtual Servers unlikely to achieve any lower due to set-up. We have implemented the most cost effective solution for UWE.</p>
<p>UWE Bristol's position in relation to green IT industry best practice for:</p> <ul style="list-style-type: none"> Hardware life cycle impact 	No Baseline present	Working towards an asset management process that ensures everything is recycled as far as possible using the IT disposals room', use of 'Scrapstore' for telephones, keyboards and mice. New roles in IT aim to work with procurement to develop purchasing requirements with sustainability in mind and continuous disposal policy.
<p>UWE Bristol's position in relation to green IT industry best practice for:</p> <ul style="list-style-type: none"> Print efficiency 	No Baseline present	Not within IT – Printing and Stationary are separate. Will discuss to identify their targets.
Extent of use of IT to provide live environmental data to influence behavioural change	No Baseline present	No update yet

Smarter Travel

The University must comply with planning regulations imposed as a result of the Master planning proposals and the future development of the Frenchay Campus.

Aim

To reduce single occupancy car journeys to the University, reduce carbon emissions associated with travel and increase the use of sustainable travel options.

Significant achievement in 2014/15

In January 2015 our new Cycle Hub was opened with grant funding support from South Gloucestershire Council. The hub has 8 new showers, a drying room with 60 lockers, secure, sheltered cycle parking with capacity for 100 bikes utilising two-tier parking to maximise the space and a tool station and pump to allow onsite repairs. Since opening the hub has been well used year-round with up to 90 bikes stored at peak times.

This is part of an overall strategy to encourage cycling and active travel by providing high quality facilities, ongoing promotion through a marketing campaign and providing services such as free bike maintenance, cycle training and discounted cycle accessories.

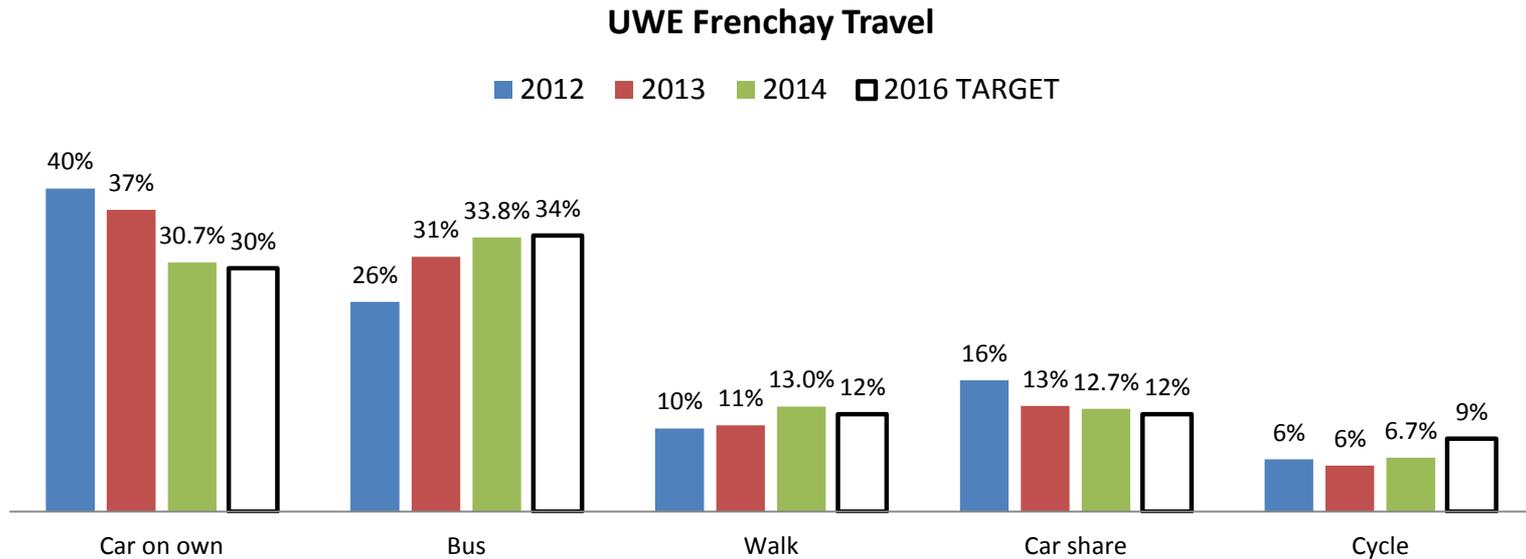


Progress against breakthrough indicator

“80% of daily commute journeys are made by sustainable modes of travel”

Frenchay campus is at 70% up from 60% against baseline. On track to achieve by 2020.

The data for all campuses is lower at around 63% of journeys made by sustainable modes – but there is not a consistent baseline for this.



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<p>By 2020 achieve 27% single occupancy car journey (daily commute)</p>	<p>Single Occupancy car Journeys: 38.9%</p>	<p>30.7%</p>
<p>Reduce carbon emissions of all travel associated with the University</p>	<p>No baseline present</p>	<p>Scope 3 for 2014/15 for staff and student community areas are as follows:-</p> <p>Staff: 116tCO₂e y⁻¹ Students: 64tCO₂e y⁻¹</p> <p>This does not include student travel associated with travel at start and end of term.</p>

Biodiversity

UWE Bristol campuses cover an area of 150ha, with a significant proportion designated a conservation area. Caring for biodiversity makes UWE Bristol more sustainable and a better place to study, to live and to work. The Management of our estate for the benefit of wildlife encourages more people to use and appreciate these spaces, which in turn promote healthier more active lifestyles. The design of new planting for the benefit of biodiversity is also an opportunity to increase our resilience to climate change.

Aim

Deliver positive gains for biodiversity including measures to create, enhance and manage habitats, with improved access to campus green spaces.

Significant achievement in 2014/15

Making the most of what we have got!

After the relocation of our grounds compound in the latter part of 2014 we have been investing a lot of our time and energies in a more sustainable way of providing planting materials for the development and maintenance of the campus. This has seen large advances in our ability to propagate our own plants both through division and cuttings of plants on campus as well as growing direct from seeds. As this was not something the grounds maintenance team had originally been set up for, and the amount of work and interest shown by the team has been fantastic. We are now able to produce a reasonable stock of plants and are in a position to make the most of the plants we currently have on campus. This gives us a more sustainable approach to increasing the Biodiversity on campus. We are also operating a peat free system, making our peat usage much easier to control than with bought in plants.

This development in our plant production can also be looked at alongside the developments in our green waste management. In the year 2014/2015 the number of skips of green waste removed from the campus was reduced to two small skips. This is compared to one a week leaving at peak times in the year 2012/2013. Again a lot of hard work has been put in by the team involving separating the waste at source, chipping, and processing our own compost for use back on the grounds. We are continuing to develop ways to use and process all our green waste to ensure almost everything we remove for the grounds is put back in some way. This has all happened without any significant investments and also while having to deal with external spaces being removed from us, which makes the teams achievements even more impressive.



Progress against breakthrough indicator

“University estate managed as an integrated ecological system”

We are almost a saturation point as far as dealing with our green waste internally, without an increase in available space or investment. This means the vast majority of our waste is returned to use on the campus. However, elsewhere, master planning is having a major impact on the ecological aspirations of Frenchay especially.

Improvements in numbers and diversity of hedgerow planting, wildflower sowing, pollinator plants and available wildlife habitats have all been negatively affected during 2014/2015 period. The university is becoming less integrated as an ecological system with the loss of major wild life corridors and more isolated green spaces.

On completion of major building works we hope this can be improved again.

Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
Total length of native hedgerows to have achieved a net increase of 25 meters annually	Not measured	Addition of 175m of native hedgerows were added during this period however a significant portion of hedgerow was removed due to FBL development.
Increase in diversity of fauna identified in annual bioblitz	Not measured	Not measured
Increase the extent of nectar rich planting by 10% annually	2013/2014 approximately 360square meters of dedicated herbaceous beds with nectar rich planting	The addition of 8 newly planted areas across Frenchay and Glenside saw this are doubled to approximately 720 sq m.
Increase the extent of artificial habitat creation by 10% annually	Not measured	Improvements are ongoing in logging and recording numbers of bird boxes across campus, this will provide us a baseline and accurate figures for 2015/2016. However with the known sites and the number of new log piles and nesting sites added in 2014/5 we are confident we are achieving a minimum increase of 10% annually.
Increase the extent of wildflower meadows by 10% annually	2013/2014 estimated wildflower planting was at 360 square meters, with the majority located on Frenchay campus	During this period we saw a 20% increase in wildflower meadows and improved diversity to include wildflower planting at Glenside campus.
Increase in recorded diversity of birdsong on Campus	Not measured	Not measured

Sustainable Food

The University of the West of England provides Catering and Hospitality Services to staff, students and external organisations through a range of facilities across our four campuses. This policy outlines our commitment to provide sustainable food at all of our outlets in support of the delivery of the University's Sustainability Plan 2013-2020.

Aim

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

Significant achievement in 2014/15

In December Onezone achieved the Soil Association Food For Life Catering Mark Silver Award. The Catering Mark provides independent endorsement that caterers are taking steps to improve their food, through meeting standards on nutrition, freshness, sustainability and animal welfare. Within Onezone at least 75% of dishes are freshly prepared and are also free from controversial or undesirable additives, GM and trans fats. The Catering Mark Standards incorporate sector specific nutrition standards as well as sustainability standards and assurance schemes including LEAF, Red Tractor, Fairtrade, RSPCA Freedom Food, Marine Stewardship Council and organic. At silver standard, caterers are recognised for taking steps to reduce the amount of meat in their menus and reducing the carbon footprint of menus.

- The Catering Mark guarantees that at least 75% of meals in Onezone are freshly prepared on site from scratch.
- All meat is from animals reared on farms which meet UK legal welfare standards as a minimum. All meats will come from farms certified to Red Tractor, Farm Assured Welsh Livestock or Quality Meat Scotland.
- All eggs come from Free Range Hens
- Catering Mark menus are free from endangered fish, as recognised by the MSC fish to avoid list.
- Food served on catering Mark menus are free from additives like aspartame and MSG
- Undesirable additives, artificial sweeteners and controversial food colours are banned from Catering Mark menus
- Catering Mark holders use seasonal ingredients which can be produced outdoors in the UK at that time of year
- Menus are designed to make the best use of seasonal ingredients
- The Silver Catering Mark recognises that we serve a range of ingredients from ethical and more environmentally friendly sources, including 5% organic food. Research shows that for every £1 invested in Silver Catering Mark menus, there is a local social return on investment of over £3, mostly in the form of more jobs and opportunities for local food producers. At Silver 5% of ingredients are organic which supports increased biodiversity and wildlife. A more environmentally sustainable type of farming which is better for nature and animal welfare.
- Spending 5% of total ingredient spend on organic ingredients helps to support wildlife, up to 50% more wild plants, insects, birds and animals live on organic farms and up to 30% more species.



Progress against 2020 targets

TARGETS	2011/2012 BASELINE	2014/2015 PERFORMANCE
<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 	Baseline 40% or £30,242	68% or £52,967
<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 	2012 £906,081 was local spend which was 58% of total spend	2015 £1,159,114 was local spend which is 62.5% of total 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) 	<p>Spent £88,577</p> <p>Sales £92,939</p> <p>Kilos 25,612</p> <p>Dishes Sold 46,470</p> <p>Grams per cover 55g</p>	<p>Spent £76,123</p> <p>Sales £300,619</p> <p>Kilos 31,937</p> <p>Dishes Sold 57,265</p> <p>Grams per cover 55g</p>
<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 	No baseline set	As of 2014 we only use free range eggs for all shell and liquid egg products
<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) 	Products sold 12,653	Products sold 20,504 Target is 15,816
<p>To reduce food waste</p> <ul style="list-style-type: none"> By 2020 we will have reduced total waste from catering and hospitality by 20% (2012 base), including the composting of all food waste 	No figures available	Current food waste 6% sales

Sustainability Priorities 2015/2016

The thematic areas covered within this annual report are key to achieving the University's sustainability plan 2020 objectives and targets to continually improve performance and reduce our environmental impacts.

Below is an outline of the priorities set by each area for 2015/2016.

Engagement Priorities

- Support SU Green team, SU staff and sustainability and elected officers to further embed sustainability in the SU
- Support for green team student projects
- Ongoing support for curriculum; increase awareness of what the sustainability team can offer
- Successful Big Green week and support for The Student Union Go Green week and Feel good February
- Get more local producers of food products for farmers market
- Increase number of talks/Q and As with staff groups
- Provide staff network with meaningful campaign and extend work on Green Office
- Get sustainability questions included in UWE's Student satisfaction survey

Education for Sustainable Development Priorities for 2015/16

- Development of more personalised and bespoke approaches to engaging students and supporting staff in education for sustainable development, recognising the diversity of drivers and barriers to progress which exist.
- Consideration of how to engage more internal communities and widen participation in sustainability.
- Exploration of the potential for including sustainable development in learning outcomes.
- Inclusion of sustainable development in curriculum review processes including in dream, business and management and law.
- Conceptual mapping of the relevance of sustainability to disciplines across the university.
- Academic engagement with Bristol Green Capital 2015.
- Development of example of good practice and guidance on how to operationalise EDS.
- Support for the sustainability requirements of professional body accreditation processes, such as in engineering, computing and business and management.
- Facilitation of ESD events for staff and students.
- Facilitation of opportunities for student to gain sustainability- related experience and skills.
- Close working with the Students' Union to further out ESD provision and engagement.

Sustainable Procurement Priorities for 2015/16

- Complete EAUC Flexible Framework Action Plan with particular focus on construction and IT.
- Continue to monitor CIPS-SI adoption by UWE suppliers and accredit/reaccredit suppliers.
- Ensure continued compliance with the transparency requirements of the Public Contracts Regulations 2015.

Campus Development Priorities for 2015/16

- Progress approval of the Business Case for a Combined Heat and Power project to serve the Students Union, Faculty of Business and Law, University Enterprise Zone projects and Phase 2 of the Student Accommodation
- Progress approval of the Business Case for the photovoltaics installation on T Block to create the largest roof mounted PV array in the Bristol region
- Masterplanning for the new sustainable Bus Hub and proposed North to South Greenway

Carbon Management Priorities for 2015/16

- LEDs for Sports Hall
- Major Solar PV installations on T-Block and gas CHP for district heating network
- Focus on heating controls strategy for new and existing student accommodation
- Development of Carbon Budget trial with a Faculty
- Improved monitoring and reporting tools
- Comprehensive metering strategy for Glenside Campus

Waste, Emissions and Discharges Priorities for 2015/16

UWE will continue to focus efforts at the top of the waste hierarchy in reuse and waste prevention activities. One of the principal and most environmentally damaging constituents of the university's waste stream is discarded food, and so during this year a key priority will continue to focus on food waste prevention. We will continue to work with our supply chain to address resource management issues, and initiate a programme of works to identify further circular economy opportunities.

- Review UWE waste plan to take forward and align to 2020

Water Priorities for 2015/16

- Recommission of rainwater recycling system on R block phase 1
- Use of metering to reduce water leaks and identify source of leaks quickly
- Comprehensive sub metering across Frenchay, Bower and Glenside campuses
- Use of water specialists, Water Matter, to carry out surveys to inform water management strategies
- Analysis of water consumption at Astroturf
- Completion of comprehensive Water Management Plan to set out specific projects to meet the water Reduction Targets

IT and enabling digital media Priorities for 2015/16

- Review current infrastructure
- Create strategy within IT to reduce the number of systems that need to be maintained and supported
- Choose energy efficient solutions to support demand
- Support Master planning

Smarter travel Priorities for 2015/16

- Continued investment in cycling infrastructure including cycle paths, cycle parking and facilities
- Launch of a student cycle lease scheme
- Offer business travel alternatives such as electric pool cars and pool bikes
- Staff and student behaviour change campaigns
- Work to improve bus station operation and information provision to students
- A push to promote more car sharing

Biodiversity Priorities for 2015/16

- Continue production of Herbaceous planting
- Increase in wildflower strips across Frenchay and Glenside and introduction of wildflowers to Bower Ashton
- Be in a position to apply for Green Flag status for Glenside Campus
- Improve Pond health and access across Frenchay campus
- Increase area diversity of bird and wildlife habitats across Frenchay and Glenside
- Continue development of Community garden, working with students and staff to create an interactive space for engagement with our external landscape
- Reduce chemical usage across campus by looking at alternative methods and increasing our spray efficiency

RAG Assessment

TITLE	AIM	OVERALL RAG ASSESSMENT AGAINST 2020 TARGET
1 Health, Wellbeing and Community	UWE Bristol aims to provide a positive and enjoyable student, staff and visitor experience. It aims to enhance everyone's health and wellbeing by creating and promoting healthier working, learning and social environments.	Green
2 Engagement in the Sustainability Journey	Central to this ethos of active citizenship, the opportunity to engage in sustainability issues is a key part of staff and student experience at the University. We will work to: develop opportunities, further embed good practice, raise awareness and develop the skills of staff and students with the aim of influencing their behaviour. We recognise that for those less actively engaged we will need a range of strategies, in particular ones which challenge routine habits and practices.	Green
3 Education for Sustainable Development	Ensuring a sustainability culture permeates our curriculum, research and the knowledge base of our staff and students.	Green
4 Sustainable Procurement and Ethical Investment	To use and maximise the opportunity provided by procurement to improve the sustainability of the UWE Bristol supply chain and purchasing decisions.	Green
5 Energy/Carbon Management	Continual reduction in the carbon footprint of the University in line with the Carbon Management Plan.	Amber
6 Campus Development	Sustainability will be included from the outset in all construction, refurbishment and landscaping projects utilising smart design, innovation and procurement to address all relevant aspects of sustainability described within this plan and in particular human and social impacts, climate change mitigation and adaptation.	Amber
7 Waste, Emissions and Discharges	To reduce the amount and hazardousness of waste, emissions and discharges.	Green
8 Water Management	Reduce the use of supplied water.	Red
9 Green IT and Enabling Digital Media	Continually improve the sustainability of the IT infrastructure whilst maximising the wider social and environmental benefits enabled by IT.	Amber
10 Smarter Travel	To reduce single occupancy car journeys to the University, reduce carbon emissions associated with travel and increase the use of sustainable travel options.	Green
11 Biodiversity	Deliver positive gains for biodiversity including measures to create, enhance and manage habitats, with improved access to campus green spaces.	Green

Conclusions and Recommendations

Conclusions

This summary report fulfils the governance requirement for monitoring the performance of the UWE Bristol Sustainability Plan for the 2014/15 Academic Year.

This report provides a summary overview of progress in 2014/15 against the 11 thematic areas of the Sustainability Plan. The report documents each theme and its overall aim and provides a brief summary of 2014/15 progress towards meeting the Targets and Breakthrough Indicators set out in the Sustainability Plan. This progress is then summarised visually through the use of the RAG (Red, Amber Green) system. Of the 11 themes seven are identified as green, three as amber and one as red.

Whilst good progress is noted here there remains a gap between the 2020 targets and the current position. This analysis should be used to inform the mid point review of progress with the Sustainability Plan in late 2016.

Recommendations

- That the report be approved by VCAB and the Board of Governors Finance, Estates and IT Committee
- That the findings of the report be used to inform the mid point review of progress with the Sustainability Plan in late 2016.
- That the report be published on the Sustainability Documents web pages.

18th February 2016

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