



Birmingham City University – Progress Against Environmental Objectives and Targets in 2013

This table documents the progress made by Birmingham City University in achieving the environmental objectives and targets it set for 2013. Progress has been categorised **green – met the target**, **amber – in progress or partially met the target** or **red – did not meet the target**. An updated set of objectives and targets are available for 2013.

Aspect	Objective	Target(s)	Progress in 2013	Performance
Energy and Emissions	<i>To minimise the University's carbon dioxide emissions.</i>	To reduce our carbon dioxide emissions from energy use in buildings by 43% by 2020 and by 83% by 2050 from a 2005/06 baseline through the implementation of our Carbon Management Plan.	<p>The University has made an overall reduction in carbon emissions since 2005/06 of 1,642 tonnes CO₂ (9.7%), which is a good overall performance. However, emissions did increase last year by 12%. There are several likely reasons for this:</p> <p>2012/13 was much colder than previous years, as reflected in the degree day data for these years. The extra energy used was gas and oil (electricity consumption actually decreased in 2012/13).</p> <p>Based on degree day calculations,</p>	Amber

			<p>the majority of this year's increase in consumption over the average can be attributed to ambient conditions.</p> <p>There was a dispute with the gas supplier, British Gas, over metering, whereby the University was invoiced a significantly higher total for City North Campus for one month. This has now been resolved.</p> <p>The Parkside Building has come on line before Gosta Green has been decommissioned, doubling up temporarily. Likewise Baker is still in use despite some of PME moving.</p>	
		Promote a Green Week that includes a 'Switch Off' day by February 2013.	Green week carried out 11/02/13 to the 15/03/13.	Green
		To complete the programme for introducing time based automatic power down for windows based PCs by	Software rolled out to all PCs in February and monitored background usage until September. Software was trialled 'live' on a select number of PCs in	Green

		<p>December 2013</p> <p>Confine out of hours, centrally managed events, at City North Campus to Baker and Attwood buildings unless specialist facilities are required.</p> <p>Produce a Carbon Management Plan for scope 3 emissions by January 2014.</p>	<p>September and will be live by the end of 2013.</p> <p>This has been done. Exceptions require the approval of the Director of Campus Management and Assessment or the Assistant Director of Campus Services.</p> <p>Started but not yet completed.</p>	<p>Green</p> <p>Amber</p>
Waste	<i>To minimise the amount of waste produced by the University and maximise reuse and recycling where the generation of waste could not be prevented.</i>	<p>To implement the waste hierarchy through creating a University 'Furniture, Fittings and Equipment' policy by February 2013.</p> <p>To introduce an appropriately resourced internal reuse network for the reuse of furniture, fittings and equipment to maximise reuse and recycling during the move out of our older campuses and into our new City Centre Campus in 2013.</p> <p>Promote a Green Week that includes a 'Waste Not' day by February 2013.</p>	<p>Policy has been created as one of the Environmental Management System Policies. However, it has yet to be formally ratified by the university.</p> <p>Furniture stored in Cox building along with redundant furniture from NTI and Gosta Green has been reused at Millennium Point, as part of the summer refurbishment projects, and also to replace the older furniture from our Conservatoire site.</p> <p>Green week carried out 11/02/13 to the 15/03/13.</p>	<p>Amber</p> <p>Amber</p> <p>Green</p>

		To carry out a Duty of Care site audit for all our central waste management contractors by December 2013.	Completed 29/08/2013.	Green
Construction (City Centre Campus)	<p><i>To ensure that the design of the new City Centre Campus minimises the environmental impact of the building, as far as practicable, within the budget constraints.</i></p> <p><i>To ensure that the construction of our new campus maximises the use of sustainable materials and minimises the disposal of waste.</i></p>	Achieve BREEAM 'Excellent' rating for Phase I of the new City Centre Campus in the post construction assessment report due August 2013.	Achieved and confirmed August 2013.	Green
		To achieve BREEAM 'Excellent' rating for Phase II of our City Centre Campus in the design and post construction phases between 2013 and Sept 2015.	Awaiting outstanding evidence from the contractor.	Amber
		To ensure that during the construction of Phase II of the new City Centre Campus taking place between 2013 and Sept 2015:		
		<p>A minimum of 15% of the value of the materials used are from reused and recycled content.</p> <p>To ensure that no more than 16.6m³ or no more than 8.5 tonnes of waste is generated per 100m² of gross internal floor area.</p>	<p>Construction commenced June 2013.</p> <p>Construction commenced June 2013.</p>	<p>Amber</p> <p>Amber</p>

		To recover a minimum of 70% of construction materials in the construction of Phase II of our City Centre Campus.	Construction commenced June 2013.	Amber
Construction (University Wide)	<i>To ensure that large scale construction projects maximise the use of sustainable materials and minimise the disposal of waste.</i>	To set project specific targets for the use of sustainable materials, and the reduction, re-use and recycling of waste materials, for projects that have an estimated construction cost of over £300,000 i.e. that require a Site Waste Management Plan, (SWMP) and specifically for the remodelling of Millennium Point and the design of Louisa Ryland House to be undertaken in 2013.	Millennium Point had project specific targets set for the refurbishment which included redundant furniture stored as a result of previous site moves being reused as part of this project. Louisa Ryland house is no longer being considered for remodelling to replace our Conservatoire.	Green
Water	<i>To minimise the quantity of water used and disposed of by the University.</i>	All taps, urinals, WCs and showers fitted in the New City Centre Campus, between 2013 and 2015, will be of a specification that consumes less potable water than standard specifications for the same type of fittings. Likewise, new fittings installed in existing buildings, and other new builds, will meet the above	Completed for Phase I and included in the design for Phase II. Completed for retrofits and ongoing for future projects.	Green Green

		<p>requirements.</p> <p>Review all site operations in 2013 as part of the on-going annual environmental internal audit process and ensure that all the required Trade Effluent Consents are in place and monitored as required.</p> <p>Transfer existing trade effluent consents to Phase I of the new City Centre Campus, and other relevant sites, ready for the new academic year (i.e. by August 2013).</p>	<p>Internal environmental audits have been completed at every BCU campus this year. Additional small volume discharge consents have been issued for our City South Campus, Margaret Street and Parkside sites following audits.</p> <p>Two small volume discharge consents were revoked for Gosta Green in June this year, as we no longer occupy this campus, and two new small volume discharge consents have been issued for The Parkside Building instead.</p>	<p>Green</p> <p>Green</p>
Travel	<i>To promote the use of sustainable travel and thereby minimise the University's travel related carbon dioxide emissions.</i>	<p>Achieve a quantitative modal shift, in line with the details given in our Sustainable Travel Plans, away from single car occupancy towards the use of car sharing, public transport, walking and cycling in 2013.</p> <p>Run a series of drop in sessions, in conjunction with local travel providers, for staff and students moving to our City Centre Campuses to promote alternative travel options by April</p>	<p>We await the results of the 2014 travel survey, to compare with the 2013 results, to quantify modal shift.</p> <p>Completed in April 2013.</p>	<p>Amber</p> <p>Green</p>

		<p>2013.</p> <p>Promote a Green Week that includes a Sustainable Travel day by February 2013.</p> <p>To carry out a travel survey of staff and student travel in 2013.</p> <p>Promote a reduction in car use through the design and construction of Phase II of our City Centre Campus, to commence construction in 2013, which will only include parking facilities for those with disabilities.</p>	<p>Green week carried out 11/02/13 to the 15/03/13.</p> <p>Staff survey completed in May 2013 and student survey completed Nov/Dec 2013.</p> <p>The new city centre campus has been designed to only have parking for those persons with disabilities.</p>	<p>Green</p> <p>Green</p> <p>Green</p>
Procurement	<i>To minimise the environmental impact of purchasing decisions wherever practicable.</i>	<p>To publish a list of 110 'sustainable' products and/or services to replace the current options purchased through our central contracts by July 2013.</p> <p>Complete the review of the University printing policy, in conjunction with CICT, by July 2013.</p> <p>Produce an on-line training package introducing the</p>	<p>List of the 110 more sustainable products has been produced but they have not automatically replaced the alternative option.</p> <p>An updated printing policy was produced in April 2013.</p> <p>A sustainable procurement section has been included in the online</p>	<p>Amber</p> <p>Green</p> <p>Green</p>

		<p>principles of sustainable procurement and in particular whole life costing.</p> <p>Work with the procurement team to produce and integrate sustainability criteria into standard procurement templates to be available by December 2014.</p>	<p>environmental awareness package produced for staff this year.</p> <p>Work with the procurement team has commenced and a three year plan to implement the flexible framework to level three has been produced.</p>	Amber
Sustainability in the curriculum	<i>To integrate sustainability into the University curriculum.</i>	Publish the 'Rough Guide to Curriculum Design' produced in 2012 which includes a section on integrating sustainability into the curriculum by August 2012.	The Rough Guide to Curriculum Design was published in January 2013.	Green
Biodiversity	<i>To conserve and promote biodiversity across the University's campuses.</i>	<p>The addition of planters for growing food at our City North Campus by April 2013 for promotion during Green Week.</p> <p>In relation to Phase II of our City Centre Campus, to be constructed between 2013 and Sept 2015, the following targets apply:</p> <p>1. Retain a habitat corridor of approximately 10m along the adjacent canal. Establish trees and riparian habitat along the</p>	<p>Planters were installed at our City North site in time for Green Week in February 2013.</p> <p>Included in the design at this stage. Construction of this site commenced in June 2013.</p>	Green

		<p>watercourse.</p> <p>2. Establish an area of approximately 50m² of brown roof to benefit potential nesting pairs of black redstart in the area and adding to an existing patchwork of similar habitats established on neighbouring developments.</p> <p>3. Install 10 bird boxes to provide nesting locations for black redstarts and swifts. Nest box locations and numbers have been decided at the design stage.</p> <p>4. Establish soft landscaping that would benefit invertebrates and species which forage on these, such as bats and birds. Plants used for the landscaping of the site have been selected to include native species and species known to benefit wildlife.</p>	<p>Included in the design at this stage. Construction of this site commenced in June 2013.</p> <p>Included in the design at this stage. Construction of this site commenced in June 2013.</p> <p>Included in the design at this stage. Construction of this site commenced in June 2013.</p>	<p>Green</p> <p>Green</p> <p>Green</p>
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		5. Installation of approximately two integrated bat roosts in the new buildings of the development. Bat brick specification and locations have been decided as part of the building design	Included in the design at this stage. Construction of this site commenced in June 2013.	Green
Training and Awareness	<i>To raise awareness of environmental and sustainability issues across the University.</i>	Produce an on-line sustainable procurement training package by August 2013.	Produced an environmental awareness training package which includes a section on sustainable procurement.	Green
		Produce an on-line environmental awareness training programme by February 2013.	Completed.	Green
		Develop and deliver the one day ILM Environment training course by July 2013.	Course produced but cancelled due to insufficient take up. Course rescheduled for January 2014.	Amber
		To hold a University Green Week in February 2013.	Green week carried out 11/02/13 to the 15/03/13.	Green
		To update the University Environment website quarterly or as required.	Website has been updated as required.	Green
		To provide at least weekly, and as appropriate daily, updates on environmental issues to	Regular social media updates are provided to students.	Green

		students via social media.		
Other	<i>To implement the EcoCampus Environmental Management System at all the campuses.</i>	To roll out the EcoCampus Environmental Management System to all our smaller sites and achieve 100% coverage for the Platinum award by April 2014.	EcoCampus has been rolled out to all our smaller sites this year. A joint EcoCampus Platinum and ISO 14001 university wide audit has been scheduled for January 2014 with NQA.	Green
		To update the University's Environmental Policy, Objectives and Targets and procedures annually and communicate revisions to all key stakeholders.	The Policy, Objectives and Targets have been updated for 2014 and will be submitted to the University Executive Group and the Professional Services Group for approval in November 2013.	Green
	<i>To produce a publically available Annual Environmental Report</i>	To produce an expanded annual Environmental Report to include travel and procurement data, which is approved and made publically available, to summarise progress by April 2013.	The Annual Environmental Report was produced and was made publically available on our internet site from April 2013.	Green