

Birmingham City University's Environmental Objectives and Targets 2020-21

Objective 1: Embedding sustainability in our processes

Aspect	Objective	Targets and Actions	Responsible Person(s)	Resources
Environmental Management System	<i>To manage, maintain and continually improve our Environmental Management System at all BCU sites.</i>	Target: Maintain certification to ISO 14001:2015 throughout 2020-25.		
		2020-21 Actions:		
		Continue to manage and maintain International Standard ISO 14001:2015 throughout 2020-21	Environmental Manager Environmental Officer	Staff time Environmental budget
		Conduct peer audit in December 2020 and external surveillance audit in February 2021	Environmental Manager Environmental Officer Associated teams	Staff time Environmental budget
		Environmental Report 2019-20: communicate results, progress and areas for improvement	Environmental Manager Top Management Associated Teams	Staff time
Procurement	<i>To procure sustainably sourced goods and services that benefit the University, the local area and globally.</i>	Target: Maintain level 4 of the Flexible Framework throughout 2020-25, exploring the option of achieving Level 5 or moving to ISO 20400:2017 should it become a formalised accreditation.		
		2020-21 Actions:		
		Strategies: Procurement strategy – embed sustainability by end of January 2021 Category strategies – embed sustainability by end of January 2021	Head of Procurement Procurement Team Environmental Manager	Staff time
	Training: Undertake a range of sustainable procurement training including: <ul style="list-style-type: none"> • Sustainable procurement training with NETpositive Futures (9/10/2020) • Sustainable procurement training with the Environmental Manager (October 2020) • SUPC training November 2020 • NETpositive Futures refresh (February 2021) 	Head of Procurement Deputy Head of Procurement Environmental Manager Procurement Team	Staff time Procurement budget	

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Author: Environmental Manager

Approved by: Environmental Committee

Date: November 2020

		<p>Procurement process: Ensure Sustainable Impact Assessments are completed and feed into the procurement process</p>	Procurement Team	Staff time
		<p>Supplier engagement: Review NETpositive Futures toolkit and suitability for ability to capture unique KPIs from our suppliers Approaches by other universities to be reviewed by the HOP</p>	Head of Procurement Deputy Head of Procurement	Staff time
		<p>Measurement: Set up a tracker to review progress against KPIs for the top 20 spend contracts. Set up a reporting tool to share with suppliers and contract managers. Progress report back at team meetings</p>	Apprentice Contract Manager Procurement Administration Assistant	Staff time
		<p>Measurement: Develop a suite of sustainable KPIs to use as part of the procurement process</p>	Procurement Team Environmental Manager	Staff time
Projects and other processes	<i>Embed sustainability as a consideration in our processes</i>	Review and embed sustainability in the University project templates by end of 2021	Environmental Manager Head of University Change Team	Staff time
		Map main governance committees and processes and identify how sustainability can be integrated to then develop a plan for delivery of changes by 2025	Environmental Manager	Staff time
		Seek approval to move to the CCLA Ethical Fund by July 2021	Director of Finance Finance Committee	Staff time
		Develop and implement an ethical investment policy for BCU by end of 2020-21	Director of Finance Finance Committee	Staff time
		Support the environmental agenda through IT including: Developing and deploying remote control technologies through BCU's network refresh that support the sustainability agenda such as through CO ₂ and temperature sensors Move platforms to cloud-based to benefit from energy efficiency economies-of-scale	Director of IT IT Senior Project Manager	Staff time BCU budget
		Achieve the AIM Accreditation for our events management by December 2020	University Events Manager	Staff time

Objective 2: Reducing the environmental impacts of our operations

Aspect	Objective	Targets and Actions	Responsible Person(s)	Resources
Biodiversity	<i>Protect and, where possible, enhance biodiversity across our estate, promoting its benefits to students and staff</i>	Target: Identify and encourage biodiversity when maintaining the campus and where relevant/feasible in capital or major refurbishment projects to 2025.		
		2020-21 Actions:		
		Appoint a specialist to conduct ecological surveys of BCU sites to create a baseline and inform a Biodiversity Action Plan and further work to conserve and promote biodiversity at the University	Environmental Officer Head Gardener Environmental Manager	Staff time Environmental budget
		Plant over 1,000 native bulbs and species across BCU sites to attract birds and insects throughout 2020-21	Head Gardener Grounds Maintenance Team	Staff time Estates & Facilities (E&F) budget
		Support the SU Earth Society and staff in using the allotment at City South and Curzon, and develop food growing spaces at other sites throughout 2020-21 where feasible	Head Gardener Environmental Officer	Staff time
		Achieve bronze level of the Hedgehog Friendly Campus scheme	Reader in Childhood Studies Head Gardener Environmental Officer Staff and Students	Staff time E&F budget
	Identify opportunities to include habitat in new builds in conjunction with the Projects Team	Environmental Manager Head Gardener	Staff time	
Catering	<i>Ethically and sustainably sourced food is provided for our catering and events with minimal waste produced.</i>	Target: Deliver the targets outlined in the Sustainable Catering Policy and Targets document for 2020-21 which includes: sustainable sourcing of food, Fairtrade, waste energy and water management, and communication		
		2020-21 Actions:		
		Agree and implement a new Sustainable Catering Policy for the final 2 years of the catering contract from August 2020 to July 2022	Assistant Director of E&F (Commercial Services) Catering Contractor Environmental Manager Energy Manager Environmental Officer	Staff time
	Identify opportunities to further reduce waste generated through the catering contract in 2020-21	Assistant Director of E&F (Commercial Services) Catering Contractor Facilities Manager (Contracts)	Staff time	

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Energy Emissions to Air	<i>Run a net zero carbon energy efficient University.</i>	Target: Reduce our carbon dioxide emissions from energy use in buildings by 43% by 2020-21 from a 2005/06 baseline.		
		2020-21 Actions:		
		BMS: Gap analysis to be undertaken by December 2020. Consolidation Business Case to be approved early 2021 for project completion in 2021/22	Energy Manager Engineering Team IT	Staff time E&F budget
		Develop and deliver of a range of energy saving projects using Salix Finance, with installation by early September 2021	Energy Manager Engineering Team	Salix Finance Staff time
		Paper outlining decarbonisation of heat plans for SMT discussion in early 2021	Energy Manager SMT	Staff time
		Run The Student Energy Project in University Locks with a view to reducing energy use to August 2021	Operations Manager, Accommodation Services Energy Manager	Accommodation budget Staff time
		Achieve sign off on the new Energy Strategy for BCU, including zero carbon targets, with Board of Governors in February 2021	Energy Manager Environmental Manager	Staff time
		Make improvements to data monitoring and management for all utilities to ensure consumption is monitored and overconsumption targeted by July 2021	Energy Manager	Environmental budget Staff time
		Ensure on site generation is functioning and any tariffs are being claimed by July 2021	Energy Manager Mechanical Engineer	Staff time Maintenance budget
		Continue to conduct monitoring, audits and targeting consumption reduction beyond the top 5 consuming buildings	Energy Manager	Staff time Environmental budget
Produce in-room heating and cooling control guidance to be delivered by July 2021	Energy Manager	Staff time Soft Landings		
Environmental Compliance	<i>Continual environmental improvement and pollution prevention</i>	Target: Zero major non-conformances due to a compliance obligation breach.		
		2020-21 Actions:		
		Ensure effective management and maintenance of boilers and equipment containing F-gas to reduce emissions to air throughout 2020-21	Mechanical Engineer Contractors	Staff time Maintenance budget
Review all site operations in 2020-21 as part of the on-going annual environmental internal audit process and ensure that all the required Trade Effluent Consents	Environmental Manager Environmental Officer	Staff time		

		are in place and the conditions are being met and discharges reduced where feasible		
Sustainable Buildings	<i>Our future buildings and refurbishments are designed to reduce their environmental impacts and support our Environmental Plan</i>	Target: Achieve at least BREEAM Excellent for all new builds and aspire to achieve outstanding.		
		2020-21 Actions:		
		Apply sustainability standards to any refurbishments and new builds that arise in 2020-21	Deputy Director of E&F Environmental Manager Energy Manager Senior Project Managers	Staff time University Budget
		Alexander Stadium: Embed sustainability into the Business Plan and proposals for any refurbishment and potential new build elements of the project	Environmental Manager Energy Manager Senior Project Manager	Staff time University Budget
		City South Campus: Embed sustainability into the Business Plan for proposed developments at City South	Environmental Manager Energy Manager Senior Project Manager	Staff time University Budget
	STEAMhouse 2 fit out: Embed environmental standards in the RIBA Stage 2 design of the fit-out by Spring 2021	Environmental Manager Energy Manager Senior Project Manager	Staff time University Budget	
Transport	<i>Reduce our emissions related to travel, with more students and staff using active travel and public transport</i>	Target: See 2018-2020 Travel Plans for specific City Centre and City South targets		
		2020-21 Actions:		
		Travel survey: Review the next staff and student travel survey and agree timeframes for delivery	Environmental Officer	Staff time Environmental budget
		Travel plans: Review achievement of 2018-20 travel plans Review development of new travel plans in light of Covid-19	Environmental Officer	Staff time Environmental budget
		By July 2021, review and agree approach for future electric vehicle charging point provision	Environmental Officer Energy Manager Environmental Manager E&F SMT	Staff time E&F Budget
		Run the University Brompton bike scheme	Environmental Officer	Staff time Environmental budget
	Cycle parking schemes: Undertake schemes to maximise use of existing cycle parking	Environmental Officer Environmental Manager	Staff time E&F Budget Environmental budget	

		Review Business Travel policy and opportunities to reduce carbon emissions	Environmental Officer Environmental Manager Associated University Departments	Staff time
		Provide information on journey planning to students, staff and potential students through specific travel events and at key events such as Welcome Event and Go Green Week during 2020-21	Environmental Officer	Staff time Environmental budget
		Review travel data capture and identify opportunities for improvement	Environmental Officer	Staff time
Waste & Recycling	<i>Reduce overall waste production, increase reuse, and improve recycling rates</i>	Target: From 2019-20 baseline, reduce the amount of waste generated by 1% per year on year and increase recycling rates by 2% per year by 2025.		
		2020-21 Actions:		
		Develop a waste management strategy for BCU identifying targets (annual reduction and recycling increase) and an associated action plan (both short term and long term)	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts) Environmental Manager	Staff time
		Launch the Waste Task Group, to review and manage resource use, waste and recycling at BCU	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts)	Staff time
		Carry out two staff/student engagement days with our waste contractor to promote recycling in 2020-21	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts) Environmental Officer	Staff time
		Roll out food waste caddies in the remaining staff and student kitchen areas by July 2021	Facilities Manager (Contracts)	Staff time E&F budget
		Review waste data monthly and conduct waste audits on a weekly basis and, where possible, implement initiatives to reduce overall waste and increase recycling	Facilities Manager (Contracts) Quality Control Officer	Staff time
		Review reverse vending machines and look to do a trial in a BCU building	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts)	Staff time E&F budget
		Trial coffee cup recycling in Curzon Building	Facilities Manager (Contracts) Quality Control Officer	Staff time E&F budget
Water	Target: Reduce water consumption 1% year on year by 2020-21			

	<i>Minimise water usage and use water efficiently</i>	2020-21 Actions:		
		Finalise the installation of water meter data loggers across BCU sites throughout 2020-21, that will allow us to identify leaks and target overconsumption	Energy Manager	Staff time Environmental budget
		During 2020-21 set baseline and target for each buildings water consumption	Energy Manager	Staff time
		Transition to new water contract with Castle Water	Energy Manager	Staff time
		Raise awareness amongst Facilities staff about water issues to be delivered before July 2021	Energy Manager	Staff time
		Ensure that all water devices for new builds and refurbishments are specified as efficient, consuming less potable water than standard specifications	Energy Manager Environmental Manager	Staff time

Objective 3: Creating a green culture within BCU, locally and globally

Aspect	Objective	Targets and Actions	Responsible Person(s)	Resources
Curriculum	<i>Support all students in gaining knowledge and skills to deliver sustainable development</i>	Target: Ensure sustainability is embedded in all courses by 2025, from a 2020 baseline.		
		2020-21 Actions:		
		Finish the delivery of the 'Embedding Sustainability into the Curriculum' course pilot and make any required updates to the course by March 2021	Senior Education Developer Environmental Manager	Staff time
		Run another cohort of the 'Embedding Sustainability into the Curriculum' course by July 2021	Senior Education Developer Environmental Manager	Staff time
		Finalise the sustainability guidance for the Course Approval and Periodic Review processes	Environmental Manager	Staff time
		Work with the School of Social Science and School of Engineering and Built Environment to embed sustainability in the curriculum through their Periodic Review processes	Environmental Manager	Staff time
		Support the use of BCU environmental data and sites in the use of student assessments and projects throughout 2020-21	Environmental Manager Environmental Officer Energy Manager	Staff time
	<i>Staff are equipped with the knowledge and skills to deliver a sustainable curriculum</i>			
	<i>Encourage positive</i>	Target: Targets as outlined in the actions below.		
		2020-21 Actions:		

Engagement, communication and training	<i>behaviour change and a green culture at BCU</i>	Host a range of environmental events for students and staff throughout 2020-21 with a target to engage over 200 people	Environmental Officer	Staff time Environmental budget
	<i>Upskill students and staff in their environmental awareness and ability to make positive change</i>	Raise awareness of sustainability issues across the University delivering at least one environmental communication per month throughout 2020-21	Environmental Officer Communications Team	Staff time Environmental budget
		Increase the number of Environmental Champions from 2019-20 figures	Environmental Officer	Staff time
		Review waste and spills training, and methods of delivery including remotely and online	Environmental Manager Environmental Officer	Staff time
		Continue to embed the SU Environmental Committee throughout 2020-21, working with the Environmental Team to identify key impacts and actions to reduce these	Students' Union Environmental Officer	Staff time SU budget
Community Partnerships	<i>Support the local and global community, economy and partnerships in developing sustainable solutions, raising awareness and creating a green culture,, establishing BCU as the 'University for Birmingham'</i>	Target: Targets as outlined in the actions below.		
		2020-21 Actions:		
		Embed environmental activities into Graduate+ events where feasible	Graduate Plus Centre Manager Environmental Officer	Staff time Environmental budget
		STEAMhouse: Deliver an environmentally focused event/workshop in 2020-21	Director of Innovation Enterprise & Employability Programme Manager Head of New Product Development	Staff time BCU budget
		Support the local business community with the development of environmentally sustainable business solutions in 2020-21		
Continue to input and support the development of the Birmingham City Council's Route to Zero Carbon (R20) Taskforce	Director of Innovation Enterprise & Employability Environmental Manager Associated academics and colleagues	Staff time Budget via specific initiatives		
Deliver research projects to develop sustainable solutions locally, regionally and globally as outlined in the Environmental Plan	Associated academics and colleagues	Staff time Budget via specific initiatives		