

Birmingham City University's Environmental Objectives and Targets 2021-22

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.		
		2021-22 Actions:		
		Continue to manage and maintain International Standard ISO 14001:2015 throughout 2021-22	Environmental Manager Environmental Officer	Staff time Environmental budget
		Conduct peer audit in December 2021 and external surveillance audit in February 2022	Environmental Officer Associated teams	Staff time Environmental budget
		Environmental Report 2021-22: write report and communicate results, progress and areas for improvement. November 2022 Board of Governors meeting.	Energy Manager Environmental Officer 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.		
		2021-22 Actions:		
		Strategies: Procurement Department Strategy – embed sustainability by end of January 2022 Project based procurement strategies – embed sustainability throughout 2021-22	Head of Procurement Procurement Team Environmental Team	Staff time
		Training: Undertake a range of sustainable procurement training including: <ul style="list-style-type: none"> • NETpositive Futures refresh training • Other training and networking as it arises 	Head of Procurement Deputy Head of Procurement Environmental Team Procurement Team	Staff time Procurement budget
		Procurement process: Ensure Sustainable Impact Assessments are completed for tenders over £60k and feed into the procurement process	Procurement Team Support from Environmental Team	Staff time

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		<p>Supplier engagement:</p> <p>Review supplier social value on NETpositive Futures toolkit.</p> <p>Identify gaps where suppliers need to sign up to NPF toolkit and follow up with suppliers quarterly to update their sustainability action plans.</p> <p>Request information from suppliers on actions taken to measure their product/services carbon footprint.</p>	<p>Contract and Assistant Category Manager Procurement Administration Assistant Energy Manager</p>	<p>Staff time Environmental budget</p>
		<p>Measurement:</p> <p>Continue to use tracker to review progress against KPIs for the top 20 spend contracts.</p> <p>Review reporting tools to identify suitable software to share with suppliers and contract managers to track progress against KPIs.</p>	<p>Contract and Assistant Category Manager Procurement Administration Assistant</p>	<p>Staff time</p>
		<p>Measurement:</p> <p>Contract management plans are implemented for strategic projects that include service and corporate KPIs, and incorporate sustainability KPIs</p>	<p>Procurement Team Environmental Team</p>	<p>Staff time</p>
Projects and other processes	<i>Embed sustainability as a consideration in our processes</i>	<p>Finalised embedding sustainability in the University project templates by end of 2021</p>	<p>Environmental Team Head of University Change Team</p>	<p>Staff time</p>
		<p>Finalise sign off of the ethical investment policy and upload on website by end of 2021-22</p>	<p>Director of Finance Finance Committee</p>	<p>Staff time</p>
		<p>Review further investments that could move to more ethical funds by end of 2021-22</p>	<p>Director of Finance Head of Financial Operations</p>	<p>Staff time</p>
		<p>Support the environmental agenda through IT including:</p> <ul style="list-style-type: none"> • BMS upgrades: Trend IQ Vision for single interface - in progress by end 2022 • Administration of estate via IT and controlling remotely • Moving to Cloud based services with modern energy efficient data servers • Network refresh upgrades - functionality and features that allow remote upgrades, administration and edits to be made by end 2023 • Cortech System update being reviewed for E&F - may have opportunity for remote maintenance 	<p>Director of IT IT Senior Project Manager Engineering Team</p>	<p>Staff time BCU budget</p>

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.		
		2021-22 Actions:		
		Finalise the Biodiversity Action Plan, achieve sign off, and start roll out of 2021-22 actions	Environmental Officer Head Gardener Environmental Manager	Staff time Environmental budget
		Plant over 3,000 native bulbs and species across BCU sites to attract birds and insects throughout 2021-22	Head Gardener Grounds Maintenance Team	Staff time Estates & Facilities (E&F) budget
		Introduce further yellow-rattle seed to the margins at Pavilion to facilitate the success of wildflowers	Head Gardener Grounds Team	Staff time E&F budget
		Initiate a programme of regular hand pulling of Himalayan balsam present at Bevan House and Ravensbury	Head Gardener Grounds Team	Staff time
		No peat-containing composts to be used in grounds maintenance and management works	Head Gardener Grounds Team	Staff time E&F budget
		Undertake additional biodiversity surveys in 2021-22 for example, breeding birds, reptiles and amphibians	Environmental Officer	Staff time Environmental budget
		Support the SU Earth Society and staff in using the allotment at City South and Curzon throughout 2021-22	Head Gardener Environmental Officer	Staff time
		Achieve silver level of the Hedgehog Friendly Campus scheme	Reader in Childhood Studies Head Gardener Environmental Officer Staff and Students	Staff time E&F budget
		Install a further hedgehog house at City South	Head Gardener Grounds Team	Staff time
Identify opportunities to include habitat in any new build proposals in conjunction with the Projects Team and across our existing sites	Energy Manager Environmental Officer Head Gardener	Staff time Environmental budget Grounds budget		
Catering	<i>Ethically and sustainably</i>	Target: Deliver the targets outlined in the Sustainable Catering Policy and Targets document for 2021-22 which includes: sustainable sourcing of food, Fairtrade, waste energy and water management, and communication		

	<i>sourced food is provided for our catering and events with minimal waste produced.</i>	2021-22 Actions:		
		Implement the final year of the Sustainable Catering Policy to July 2022	Assistant Director of E&F (Commercial Services) Catering Contractor Environmental Officer	Staff time
		Identify opportunities to further reduce waste (including food and disposables) generated through the catering contract in 2021-22	Assistant Director of E&F (Commercial Services) Catering Contractor Facilities Manager (Contracts)	Staff time
		Review Silver Food for Life catering accreditation and implement actions where feasible	Catering Contractor	Staff time
		Review installation of herb planters in main restaurant areas of Curzon and Seacole to be used in kitchens and promote grow your own	Catering Contractor	Staff time Catering contractor budget
		Increase plant-based and vegetarian options available through BaxterStorey's Equilibrium initiative, reducing meat content by 20%	Catering Contractor	Staff time Catering contractor budget
		Input environmental content in the catering tender to ensure sustainability is a priority area of the specification and contract	Assistant Director of E&F (Commercial Services) Environmental Officer	Staff time
Energy Emissions to Air	<i>Run a net zero carbon energy efficient University.</i>	Target: Zero carbon targets to be agreed		
		2021-22 Actions:		
		With the loss of Salix Finance, identify further funding opportunities for energy efficiency projects going forward for 2021-22 and beyond	Energy Manager Engineering Team Finance Team	Staff time
		Run Student Switch Off in University Locks with a view to reducing energy use to August 2022	Operations Manager, Accommodation Services Energy Manager	Accommodation budget Staff time
		Finalise the new decarbonisation plan with zero carbon targets and achieve sign off in 2021-22	Energy Manager Director of E&F Deputy Director of E&F	Staff time
	Develop options for longer term energy procurement for discussion and approval with management and undertake the required procurement process	Energy Manager Head of Procurement Director of E&F Deputy Director of E&F DVC Resources	Staff time	

		Make improvements to data monitoring and management for all utilities to ensure consumption is monitored and overconsumption targeted by July 2022	Energy Manager	Environmental budget Staff time
		Review building operation strategy throughout 2021-22, ensuring sub-metering is picked up and exportable from the BMS	Energy Manager	Staff time
		Ensure on site generation is functioning and any tariffs are being claimed by July 2022	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
Environmental Compliance	<i>Continual environmental improvement and pollution prevention</i>	Target: Zero major non-conformances due to a compliance obligation breach.		
		2021-22 Actions:		
		Ensure effective management and maintenance of boilers and equipment containing F-gas to reduce emissions to air throughout 2021-22	Mechanical Engineer Contractors	Staff time Maintenance budget
		Commission contractor to label drainage (foul / surface) for another site by end of 2021-22	Building Surveyor	Maintenance budget
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.		
		2021-22 Actions:		
		Apply sustainability standards to any refurbishments and new builds that arise in 2021-22	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: Achieve BREEAM Excellent	Environmental Manager Energy Manager Senior Project Manager	Staff time University budget

		Plot C: Include considerations and solutions for integrating biodiversity and wildflower planting in the temporary use of Plot C2.	Senior Project Manager	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		
		2021-22 Actions:		
		Travel survey: Deliver the next staff and student travel survey in March 2022	Environmental Officer	Staff time Environmental budget
		Travel plans: Implement the Interim Travel Plan.	Environmental Officer	Staff time Environmental budget
		Travel plans: Appoint a consultant to develop and deliver new Travel Plans for BCU for 2022-24	Environmental Officer	Staff time Environmental budget
		By July 2022, identify sites at City South and Harborne Road for electric vehicle charging point provision, and aim to agree an approach to charging solutions and installation.	Energy Manager Environmental Officer Environmental Manager E&F SMT	Staff time E&F Budget
		Review the delivery of the University's Brompton bike scheme	Environmental Officer	Staff time Environmental budget
		Develop a Travel Policy for BCU and embed opportunities to reduce carbon emissions and improve data capture as part of this in 2021-22	Head of Business Continuity and Risk BCU Travel Group Environmental Team Associated University Departments	Staff time
		Provide information on journey planning to students, staff and potential students through travel partners, communications and at key events such as Welcome Event during 2021-22	Environmental Officer External providers	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 2018-19 baseline, reduce the amount of waste generated by 1% per year on year and increase recycling rates by 2% per year by 2025.		
		2021-22 Actions:		
		Set up Waste and Resources Task Group meetings to take place in quarter 2 of 2021/22	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts)	Staff time

		Bin signage redesign to then carry out a campus wide recycling campaign to re-enforce our waste streams, including new corridor signage at University Locks	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts) Operations Manager (Accommodation)	Staff time E&F budget
		Carry out two staff/student engagement days with our waste contractor to promote recycling in 2021-22	Assistant Director of E&F (Facilities Management) Facilities Manager (Contracts) Waste contractor Environmental Officer	Staff time
		Review of bin strategy to ensure we have the correct bins in the locations where most needed/utilised	Facilities Manager (Contracts) Quality Control Officer	Staff time E&F budget
		Roll out food waste caddies at City South by end of July 2022	Facilities Manager (Contracts)	Staff time E&F budget
		Promotion of ongoing waste 'good news' with TV screens across campus, including a waste stream topic per month where we show that streams journey	Facilities Manager (Contracts)	Staff time
		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
	Water	<i>Minimise water usage and use water efficiently</i>	Target: Reduce water wastage by 5% in 2021-22	
2021-22 Actions:				
Finalise the installation of water meter data loggers across BCU sites throughout 2021-22, that will allow us to identify leaks and target overconsumption			Energy Manager	Staff time Environmental budget
Raise awareness amongst Facilities staff about water issues to be delivered before July 2022			Energy Manager	Staff time
Continue to monitor and track water consumption to identify areas of over-consumption and where savings can be made throughout 2021-22			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	<p><i>Support all students in gaining knowledge and skills to deliver sustainable development</i></p> <p><i>Staff are equipped with the knowledge and skills to deliver a sustainable curriculum</i></p>	<p>Target: Ensure sustainability is embedded in all courses by 2025, from a 2020 baseline.</p> <p>2021-22 Actions:</p>		
		Finish the delivery of the 'Embedding Sustainability into the Curriculum' course second cohort	Senior Education Developer Environmental Manager	Staff time
		Develop the Sustainable Curriculum Community of Practice (CoP) for BCU through engagement in the Teams group and running specific events	Senior Education Developer Environmental Officer	Staff time
		Finalise the sustainability guidance for the Course Approval and Periodic Review processes	Environmental Manager	Staff time
		Support the Periodic Review and Course Approval process through engagement with the ESD Teams group and developing the CoP	Head of Quality Enhancement and Policy Senior Education Developer Environmental Officer	Staff time
		Support the use of BCU environmental data and sites in the use of student assessments and projects throughout 2021-22	Environmental Manager Environmental Officer Energy Manager	Staff time
Engagement, communication and training	<p><i>Encourage positive behaviour change and a green culture at BCU</i></p> <p><i>Upskill students and staff in their environmental awareness and ability to make positive change</i></p>	<p>Target: Targets as outlined in the actions below.</p> <p>2021-22 Actions:</p>		
		Finalise the Environmental Communication and Engagement Strategy by December 2021	Environmental Officer	Staff time
		Host a range of environmental events for students and staff throughout 2021-22 with a target to engage over 300 people	Environmental Officer	Staff time Environmental budget
		Raise awareness of sustainability issues across the University delivering at least one environmental communication per month throughout 2021-22	Environmental Officer Communications Team	Staff time Environmental budget
		Increase the number of Environmental Champions from 2021-22 figures	Environmental Officer	Staff time
		Review staff mandatory environmental training and roll out spills toolbox talk to relevant teams	Environmental Manager Environmental Officer	Staff time
		Continue to work with the SU throughout 2021-22, working with the Environmental Team to identify environmental 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.		
		2021-22 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 2021-22 Support a further 15 local businesses with 12 hours of support with the development of environmentally sustainable business solutions in 2021-22	Director of Innovation Enterprise & Employability Programme Manager Head of New Product Development	Staff time BCU budget
		Continue to input and support the development of the Birmingham City Council's R20 Community Assembly	Director of Innovation Enterprise & Employability Environmental Officer / Energy 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