



Environmental Objectives, KPIs and Action Planner



Environmental objectives have been assigned to aspect areas.
 Actions to achieve objectives are set with timescales, KPIs and responsibilities for completion

Aspect area	Objective	Target	KPIs	Actions	Responsibility	Date to be completed	Resources to support objectives and actions	supporting documents	Update at ESSG (date xx)
Energy & Carbon	To reduce energy consumption, increase efficiency and reduce carbon emissions. Increase investment in renewables and other efficient equipment.	Increase energy efficiency by 28% by 2022 against the 2015/16 baseline	*Carbon Intensity per M ²	Establish a wind, PV, energy and battery storage park adjacent to the Science Park to provide a significant quantity of the Universities energy requirements	LCEG, PEG	01/08/2021	Internal Carbon reduction fund	Energy Management Strategy	
			kWh energy consumed per £1k	Implement actions within the Energy Management Strategy, Action Plan and ISO 50001 standard	Elliot Jones, Energy manager	ongoing			
		Achieve Net Zero Carbon by 2030	Carbon Footprint for scope 1, 2 and 3	Set-up Climate Emergency Group and develop Carbon Neutral plan	ESSG	01/04/2020			
			Energy Consumption per Student Fte	Run an energy awareness campaign in Halls of Residence	Huw Evans, Environmental Manager	ongoing			
		Increase energy generated from low/zero carbon sources by 25% of total campus use by 2022 against the 2015/16 baseline of 5.24%		% of total kWh energy from low/zero carbon sources	Encourage our energy customers and campus partners to be more energy efficient by providing financial incentive and direct support where requested	Elliot Jones, Energy manager			ongoing
			Implement the Smart Energy Network Demonstrator (SEND) project		Estates and Development Directorate	ongoing			
Emissions and Discharges	minimise emissions and discharges	Zero refrigerant gas losses	Kg refrigerant losses	review activities and procedures relating to emissions and discharges	Huw Evans, Environmental Manager	01/04/2021	Estates SHE budget, PPM's	• Emergency spillage response plan Operational procedure; Emissions to air	
				Review pollution risks from hazardous waste storage and ensure adequate controls remain in place e.g. oil storage bunds	Huw Evans, Environmental Manager	Jul-21			
		zero compliance obligation breach	number of emergency spillage incidents per annum	Raise awareness within the campus community of the pollution risk from materials entering the surface water drainage system	Huw Evans, Environmental Manager	ongoing			
				Finalise and communicate the procedure for the management of emissions to air.	Huw Evans, Environmental Manager	Dec-20			
				review and update emergency spillage response plan	Estates and Development Directorate	01/02/2021			
Water	Minimise water consumption and improve efficiency	increase water efficiency by 17% by 2023 against the 2019/20 baseline / 18.5m ³ perFTE	Total M3 water consumption and M3 water consumption per student FTE	Develop & implement a Water Efficiency Strategy and Action Plan to ensure that a high level of water efficiency is achieved	Elliot Jones, Energy manager	ongoing	Backlog Maintenance, Reactive Operational Budget, Energy/Water Operational Budget	Water Efficiency Strategy and Action Plan (ref: KW02)	
				Undertake a behaviour change campaign to encourage staff, students and visitors to be more water efficient	Huw Evans, Environmental Manager	ongoing			
Waste	minimise waste generated and increase reuse and recycling. Follow the waste hierarchy, specifying waste to energy before disposal to landfill. Promote a zero waste culture of 'rethink, reduce, reuse and recycle'	increase recycling rate 2% annually	Tonnes of waste produced annually	To develop a Waste Strategy that highlights the need to reduce waste production where possible and increase reuse and recycling across all materials.	ESSG	01/04/2021	environmental budget and waste budget	waste management procedure	
				Undertake Waste Recycling audits in academic buildings and within the Halls of Residence.	Huw Evans, Environmental Manager	ongoing			
				All relevant staff to be trained on waste management	Huw Evans, Environmental Manager	01/08/2021			
			% Tonnes waste landfilled	Improve access to central recycling points and remove individual desk bins where possible	Cleaning services manager	ongoing			
				To produce regular updates on recycling and waste data and communicate recycling statistics to the university community to help them better realise how their efforts are having an impact.	Huw Evans, Environmental Manager	ongoing			
				Continue to support the Halls of Residence end of term 'Great Donate' scheme.	Huw Evans, Environmental Manager / Sarah Briggs, Sustainability Project Officer	ongoing			

Travel & Transport	Reduce carbon emissions and other emissions to air. Support Electric Vehicle (EV) use by increasing the EV infrastructure and replacing University owned vehicle and travel with electric and/or low carbon vehicles.	establish baseline and target for University owned fleet	% number of electric vehicles within owned fleet	Develop and implement university owned fleet emissions reduction plan. To increase the proportion of electric vehicles, where appropriate, when purchasing or leasing new vehicles, and phase out petrol or diesel-fuelled vehicles.	Estates and Development Directorate	01/10/2021	n/a	transport and car parking policy			
		Establish baseline and targets for staff/student commuting and business travel	carbon emissions from owned vehicle fleet								
			number of cycling parking areas on campus		develop and implement a Sustainable Mobility Strategy	Estates and Development Directorate			(to be determined due to the impact of covid)		
			number of staff/student parking permits issued								
Biodiversity	Maintain the biodiversity of the campus	Maintain % of total campus space that supports biodiversity	number of estates projects incorporating biodiversity improvements	Implement Hedgehog friendly campus initiative	Hedgehog friendly campus working group	ongoing	n/a	Grounds maintenance procedure			
			number of biodiversity improvements recorded each year	identify and implement biodiversity improvements to the campus and develop an action plan	Jane Barker, Head of Grounds	01/06/2021					
Construction & Refurbishment	reduce the environmental impact from the construction and the life cycle of the project. Ensure sustainability is considered at the design phase and apply standards such as BREEAM and SKA Rating.	Achieve BREEAM very good or equivalent on all new builds and RICS SKA rating Silver for refurbishments	Number of projects achieving BREEAM or equivalent or SKA Rating	Implement the University's Sustainable design brief.	Estates and Development Directorate	ongoing	projects to be costed for sustainability	Sustainable design brief			
				Stipulate within tenders that contractors sign up to the BRE waste smart tool to support monitoring and management of waste.	Estates and Development Directorate	01/04/2021					
				Implement a strategic approach to the use of the existing estate through more efficient use of space and increase the use of shared facilities.	capital and space management group	ongoing					
				Ensure surplus assets are considered for reuse at the earliest stage of refurbishment projects.	Huw Evans, Environmental Manager	ongoing					
		Achieve minimum of 60% waste recycled from construction projects	% Tonnes of waste recycled from construction projects	Develop a guide to sustainable materials and furniture to inform the design and procurement stages of projects.	Huw Evans, Environmental Manager	01/08/2021					
Procurement and sustainable catering and food	improve the sustainability performance of suppliers and goods and services purchased	Achieve Level 4 of the flexible framework	Level achieved of the Flexible Framework	develop and implement a sustainable procurement policy	Linda Sutton, Procurement Manager	ongoing	Environmental budget for soil association accreditation				
				achieve and maintain level 4 of the flexible framework	Linda Sutton, Procurement Manager	ongoing					
				Ensure all new equipment meet a minimum Energy efficient standard.	Linda Sutton, Procurement Manager / Elliot Jones, Energy Manager	ongoing					
				Ensure social and environmental criteria are included within tenders and contracts.	Linda Sutton, Procurement Manager	ongoing					
		number of suppliers completed/engaged with the net positive supplier engagement tool	continue to engage suppliers with the net positive engagement tool	Linda Sutton, Procurement Manager	ongoing						
			Achieve Silver accreditation of the soil association Food For Life standard	Accreditation level of the Soil association	maintain accreditation to the Soil association Silver award	Susan Warrender, Head of Catering			ongoing		
		Develop and implement a Sustainable Food policy			Susan Warrender, Head of Catering	ongoing					

