

Environmental Objectives, KPIs and Action Planner



				vironmental objectives have been assigned to aspect areas. e 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)
	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		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 & Carbon			Energy Consumption per Student Fte	Run an energy awareness campaign in Halls of Residence	Huw Evans, Environmental Manager	ongoing			
				To communicate energy and carbon usage statistics to the university community to help them better realise how their efforts are having an impact	Elliot Jones, Energy 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	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			
	minimise emissions and discharges	Zero refrigerant gas losses	Kg refrigerant losses				Estates SHE budget, PPM's	• Emergency spillage response plan	
		zero compliance obligation breach	number of emergency spillage incidents per annum	review activities and procedures relating to emissions and discharges	Huw Evans, Environmental Manager	lanager 01/04/2021		Operational procedure; Emissions to air	
Emissions and				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			
Discharges				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			
	Minimise water consumption and improve efficiency	increase water efficiency by 17% by 2023 against the 2019/20 baseline / 18.5m3perFTE		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				Undertake a behaviour change campaign to encourage staff, students and visitors to be more water efficient	Huw Evans, Environmental Manager	ongoing		Water Efficiency Strategy and Action Plan (ref: KW02)	
	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		
Waste				Undertake Waste Recycling audits in academic buildings and within the Halls of Residence.	Huw Evans, Environmental Manager	ongoing			
			% Tonnes waste landfilled	Improve access to central recycling points and remove individual desk bins where possible To produce regular updates on recycling and waste data and communicate recycling statistics to the university community to help them better realise	Huw Evans, Environmental Manager	01/08/2021 ongoing		waste management procedure	
					Cleaning services manager				
					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				



	Reduce carbon emissions and other emissions to air. Support Electric Vehicle (EV) use by	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			
Travel & Transport	increasing the EV infrastructure and replacing University owned vehicle and travel with electric and/or low carbon vehicles.	Establish baseline and targets for staff/student commuting and business travel	carbon emissions from owned vehicle fleet	n/a	n/a	transport and car paring policy			
			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			-))			
	Maintain the	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	
Biodiversity	biodiversity of the campus		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			
	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.		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 t		
				Stipulate within tenders that contractors sign up to the BRE waste smart tool to support monitoring and management of waste.	I 01/04/2021 Estates and Development Directorate	01/04/2021			
Construction & Refurbishment				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		Sustainable design brief	
				Ensure surplus assets are considered for of 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			
				develop and implement a sustainable procurement policy	Linda Sutton, Procurement Manager	ongoing			
	ble performance of	Achieve Level 4 of the flexible framework	Level achieved of the Flexible Framework	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				
Procurement and sustainable catering and food					Linda Sutton, Procurement Manager	ongoing			
			number of suppliers completed/engaged with the net positive supplier engagement tool	Ensure social and environmental criteria are included within tenders and contracts.	Linda Sutton, Procurement Manager	Environmental budget for soil association			
				continue to engage suppliers with the net positive engagement tool	Linda Sutton, Procurement Manager	ongoing	accreditation		
		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			

		recruit a sustainability representative in each		support University wide Sustainability Representatives network and award scheme.	ESSG	ongoing			
Training, awareness, communication & Engagement	engage with and raise awareness of staff, students, visitors and the local community	Faculty school and Directorate		Engage staff and students generally through a campus wide energy and water efficiency awareness programme to encourage positive behaviour	Huw Evans, Environmental Manager / Sarah Briggs, Sustainability Project Officer	ongoing	Environmental Budget supports he sustainability network and benchmark award		
		1 50% of the University taking part in the	Number of teams completed the sustainability benchmark criteria	 To communicate the Environmental Policy to staff, students, visitors and contractors at the university. 	Huw Evans, Environmental Manager	ongoing		EMS training matrix / ESD strategy	
		Increase student, staff and community involvement in the annual Green Festival Fortnight	number of events and events attended	run an annual green festival fortnight to celebrate sustainability success at Keele, enhance the knowledge and skills of staff, students and external participants to become more active in sustainability.	ESD team	ongoing (annually)			
	our operations by implementing best practice systems and standards. Celebrate our success and drive	Achieve Gold level of the Eco Campus scheme by January 2021	e Level of Eco Compus standard	Consider Submitting entries to the annual Green Gown Awards	ESSG	annually		-	
				Engage positively and maximise performance with sustainability					
				performance metrics including the People and Planet Universities League, UI Green Metric	ESSG	ongoing			
Management Systems,				Achieve Eco Campus Gold standard	Huw Evans, Environmental Manager	01/01/2021			
standards,				Maintain Green Tourism award and implement best practice from the ISO	Conferencing and Events		Eco Campus resources, performance metrics criteria,	Eco Campus documentation	
performance metrics and				sustainable conferencing standard		ongoing			
awards-	performance by participating in performance metrics and awards.	Be recognised for our achievements within awards and performance metric	Number of sustainability awards shortlisted/awarded	Produce an annual environmental report utilising latest EMR data	Huw Evans, Environmental Manager	01/09/2021			
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		EMS R 2.4	22.06.2021	3	Huw Evans, Environmental Manager	ESSG (date: tbc)	EMS R2.4		