

# Action Plan

## Environmental Sustainability Enabling Strategy 2018-2023

### Underpinning goal - **A prosperous University**

- Key priority - To align University targets with Welsh Government proposals to decarbonise public sector bodies by 2030 and to demonstrate significant progress toward these targets

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
<ul style="list-style-type: none"> <li>• To be Carbon neutral (for scope 1 and 2) for estates and campus facilities operations by 2023. Measured against the source of the energy (not against Grid average).</li> </ul>	<ul style="list-style-type: none"> <li>• To ensure renewable sources are adopted for all utilities (Electricity consumption – Green tariff; Gas consumption – Green gas; Water consumption)</li> <li>• Review Landlord Utility supplies with view to change to renewable sources.</li> </ul>	Complete £175k max  Possible reduction in costs	On renewal of contract September 2019 (Green Electricity already in place for where we manage suppliers)	Estates and Campus Facilities
	<ul style="list-style-type: none"> <li>• All refurbishment projects, where possible, to follow Standard Building Electrical and Mechanical Requirements (SBEMR) as reviewed twice annually.</li> </ul>		March 2018	
	<ul style="list-style-type: none"> <li>• Refurbishment projects over £25,000 will show a net reduction in carbon emissions of 30% compared to the original installation</li> <li>• Ultra-low flush toilets to be installed for all refurbishments</li> </ul>	Factored into SBEMR process, £500 per unit with payback within 12 months	March 2018	
	<ul style="list-style-type: none"> <li>• All refurbishment projects to assess furniture, refurbish before replace.</li> </ul>	Costs identified for individual projects	October 2018	
	<ul style="list-style-type: none"> <li>• Review Grey Fleet and promote use of – low/zero carbon car club.</li> </ul>		May 2018	

	<ul style="list-style-type: none"> <li>Review Owned Fleet reducing where possible and to increase the use of low/zero carbon vehicle.</li> </ul>	Costs identified at replacement. Charge points £3k each	July 2018	
	<ul style="list-style-type: none"> <li>Investigate the potential for Biodiesel across the University.</li> </ul>		July 2018	
	<ul style="list-style-type: none"> <li>Waste services – prevent and reduce through effective purchasing and procurement policies/strategies.</li> </ul>	No significant savings can be found from increasing recycling. Bin roll out £650k.	Review at contract renewal August 2018 and April 2019	
	<ul style="list-style-type: none"> <li>Review Carbon Management Plan.</li> </ul>		September 2018	
	<ul style="list-style-type: none"> <li>Undertake a programme to identify and replace high energy intensity research equipment.</li> </ul>	Costs identified for individual projects with 36 month payback. £50k for staff.	September 2019	
	<ul style="list-style-type: none"> <li>Review Driving at Work Policy.</li> </ul>		October 2018	Safety and Staff Wellbeing
<ul style="list-style-type: none"> <li>Carbon modelling to establish lifecycle costings for all new buildings and assets based on realistic life expectancy of each asset.</li> </ul>	<ul style="list-style-type: none"> <li>To ensure operational costs and emissions are not sacrificed to reduce build costs to ensure transparency of whole lifecycle cost to aid decision making when comparing Capita; expenditure/Operational expenditure</li> </ul>		Immediate	Estates and Campus Facilities

## Underpinning goal - **A resilient University**

- Key priority - To enhance the biodiversity of our campus by promoting pollinator planting across our green spaces

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
	<ul style="list-style-type: none"> <li>• Linking with the Well-being strategy develop a community garden and food growing space</li> </ul>	£3,000 pa	Staged over 5 years	School of Pharmacy/ Estates and Campus Facilities
	<ul style="list-style-type: none"> <li>• Expand the Welsh Government Pollinator friendly initiative across University buildings</li> </ul>	£2,000 pa	Staged over 3 years	
	<ul style="list-style-type: none"> <li>• Build partnerships with our neighbours to develop biodiversity corridors across the city</li> </ul>			
	<ul style="list-style-type: none"> <li>• Continued creation of wildflower/bee friendly planting around University campuses</li> </ul>	Subject to funding grants being available	Ongoing	

## Underpinning goal - A healthier University

- Key priority - To provide staff, student and stakeholders behaviour change programme that promotes sustainability issues and principles

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
<ul style="list-style-type: none"> <li>• Roll out a targeted behavioural change programme to all staff and students</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to adopt NUS initiatives               <ol style="list-style-type: none"> <li>1. Green Impact model with workbook specific to CU EMS and local environmental sustainability initiatives.</li> <li>2. All Schools and professional services to take part in Green Impact by academic year 2019/2020</li> </ol> </li> </ul>	£6,375 +VAT	Annual submission	Safety and Staff Wellbeing
	<ul style="list-style-type: none"> <li>• Continue to adopt NUS initiatives               <ol style="list-style-type: none"> <li>3. Student switch off or equivalent</li> </ol> </li> </ul>	£18,000 +VAT	Annual submission	Estates and Campus Facilities
	<ul style="list-style-type: none"> <li>• Annual evaluation of behaviour change programme.</li> </ul>	£3,200	2019	Tyndall Centre
	<ul style="list-style-type: none"> <li>• Embed environmental sustainability within staff induction.</li> </ul>		2018	Safety and Staff Wellbeing
	<ul style="list-style-type: none"> <li>• Embed environmental sustainability into student induction.</li> </ul>		2018	Academic Schools/ student pre-information
	<ul style="list-style-type: none"> <li>• Sustainability week to be run annually with engagement activities for staff, students and stakeholders.</li> </ul>	£3,000	Annual event	Safety and Staff Wellbeing
	<ul style="list-style-type: none"> <li>• We will retain the Corporate Health Standard Gold and achieve the Platinum standard (focus on sustainable development). Collaboration between Well-being Operational Group and EMS Steering Group.</li> </ul>	No additional cost	Reassessment 3 years	Safety and Staff Wellbeing

<ul style="list-style-type: none"> <li>To develop a sustainability (full lifecycle) food policy for the University and consider accreditation such as Sustainable Restaurant Association (SRA) to drive and deliver the University's official food sustainability programme.</li> </ul>	SRA Accreditation c£2,500	Sustainable food policy in place for September 2018. Aim to gain SRA accreditation (if adopted) by September 2019	Estates and Campus Facilities
<ul style="list-style-type: none"> <li>Choose Fairtrade Certified products for food and drinks imported from poorer countries to ensure a fair deal for disadvantaged producers. Maintain our University Fairtrade accreditation by continuing to offer a comprehensive range of Fairtrade products and raising awareness.</li> </ul>	Cost unknown as Fairtrade are changing their funding model (est. £1,000)	Continue to support Fairtrade & next Fairtrade re accreditation renewal date April 2019	Estates and Campus Facilities
<ul style="list-style-type: none"> <li>We will run staff and student campaigns on cross cutting themes throughout the academic year sustainability and Wellbeing – active travel – walking and cycling, sustainable food/healthy eating.</li> </ul>	Costs identified for campaigns		Safety and Staff Wellbeing/Estates and Campus Facilities
<ul style="list-style-type: none"> <li>We will engage with staff and students on reviews to environmental sustainability Policies (including the Environmental sustainability strategy; Carbon Management Plan; Travel Plan etc.)</li> </ul>			
<ul style="list-style-type: none"> <li>We will phase out the use of bottled water fountains and replace with mains fed (non-chilled) alternatives (48 fountains on site currently).</li> </ul>	£850 per unit	Ongoing	
<ul style="list-style-type: none"> <li>We will work with academic departments to promote health benefits of water and waste reduction, i.e. Water Research Institute.</li> </ul>	No Cost	March 2018 on	
<ul style="list-style-type: none"> <li>Consider the feasibility of interest free travel season ticket loan scheme for staff.</li> </ul>	To be advised	April 2018	Human Resources
<ul style="list-style-type: none"> <li>Promote staff and student volunteering including Bute Park monthly volunteering.</li> </ul>	No cost	March 2018	Safety and Staff Wellbeing/Student Support

- Key priority - To measure and then reduce carbon emissions from travel by using less polluting modes and promoting technological alternatives

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
<ul style="list-style-type: none"> <li>• We will lower the environmental impact of the University's business mileage.</li> </ul>	<ul style="list-style-type: none"> <li>• As part of the Estates Masterplan (refresh) consider University Travel Plan recommendations.</li> </ul>	Included within the budget for the delivery of the Estates Masterplan	2018	Estates, Academic Schools and Professional services
	<ul style="list-style-type: none"> <li>• Consider, linked to the Estates Masterplan (refresh) facilities currently provided to encourage active travel, (e.g. secure bicycle parking facilities, showers, lockers etc,) and actions required for improvement.</li> </ul>	Included within the budget for the delivery of the Estates Masterplan		
	<ul style="list-style-type: none"> <li>• We will adopt a Code of conduct to support a low carbon culture and associated travel decision tree ref <a href="http://www.tyndall.ac.uk/travel-strategy">http://www.tyndall.ac.uk/travel-strategy</a>.</li> </ul>	Included within the budget for the delivery of the Estates Masterplan		
	<ul style="list-style-type: none"> <li>• We will promote the use of technological alternatives to reduce the need to travel, in support of collaboration e.g. Microsoft Office 365 collaboration tools.</li> </ul>		2018	University IT
	<ul style="list-style-type: none"> <li>• We will support the use of technological alternatives to reduce the need to travel, in support of learning and teaching: e.g. Blackboard Collaborate to support students on placement, online courses for worldwide learners, and Learn Plus for streaming of live events.</li> </ul>		2018	ACSSS
	<ul style="list-style-type: none"> <li>• We will launch a portal for University travel including using car club/car hire.</li> </ul>	Free	2018	Procurement
	<ul style="list-style-type: none"> <li>• Increase cycle parking facilities.</li> </ul>	£30K pa	5 year programme	Estates and Campus Facilities
	<ul style="list-style-type: none"> <li>• Active travel – walking, promotion between sites – info on calories etc. Promotion of the Cardiff on-street bike hire scheme.</li> </ul>	TBC	TBC	Safety and Staff Wellbeing

## Underpinning goal - **A globally responsible University**

- Key priority - We will reduce our demand for non-sustainable goods and services, whilst minimising waste production

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
<ul style="list-style-type: none"> <li>• We will prioritise and phase out the use of single-use plastic and will improve recycling facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Link to Single use plastics and recycling action plan.</li> </ul>	See separate action plan		Procurement
	<ul style="list-style-type: none"> <li>• We will review our use of cleaning chemicals across the University.</li> </ul>	Included within continuous review of cleaning contracts	2018/19	Estates and Campus Facilities / Academic Schools
	<ul style="list-style-type: none"> <li>• We will measure and aim to reduce our emissions and discharges of chemicals through promotion of chemical management systems and sharing of chemicals amongst research groups.</li> </ul>			Safety and Staff Wellbeing / Academic Schools

- Key priority - Source goods and services responsibly, taking into account their impact

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
<ul style="list-style-type: none"> <li>• Number of new and renewed contracts over £25,000 being assessed/sustainability risk assessment and/or Impact assessed.</li> </ul>	<ul style="list-style-type: none"> <li>• Approve and distribute sustainability risk assessment pro forma for comment.</li> </ul>	No additional cost	2019	Procurement
	<ul style="list-style-type: none"> <li>• Consider adoption of sustainable procurement Policy.</li> </ul>	No additional cost	2019	
	<ul style="list-style-type: none"> <li>• Sustainable Development should be included as tender award criterion. This will enable the University to practically apply innovative procurement approaches that will enable the University to practically apply innovative procurement approaches that will support the Way Forward strategy e.g. a requirement for suppliers (as part of their tender submission) to offer work placement opportunities to our students.</li> </ul>		2019	
	<ul style="list-style-type: none"> <li>• Procure a package of support designed to help the University explore and develop materials to help integrate Whole Life Costing (WLC) into the thinking and practice of the University.</li> </ul>	£5,000	2019	
	<ul style="list-style-type: none"> <li>• Consider adoption of ISO 2400 Sustainable procurement.</li> </ul>	£5,000	2019	



- Key priority - To ensure environmental sustainability is embedded into all academic and business processes including internal and external events

Key performance indicators	Objectives	Costs	Timescale	Lead area(s)
	<ul style="list-style-type: none"> <li>• We will maintain our ISO14001 certification and transition to the new 14001:2015 standard.</li> </ul>	17,000 pa	2018	Safety and Staff Wellbeing
	<ul style="list-style-type: none"> <li>• Review all academic and business processes to ensure environmental sustainability is included as a key consideration and is evidenced in all business cases approved at School; College and UEB level.</li> </ul>		2019	Strategic planning and Governance
	<ul style="list-style-type: none"> <li>• We will engage and work with Finance to influence the adoption of ethical and environmental sustainable practices.</li> </ul>			
	<ul style="list-style-type: none"> <li>• We will engage with Learning and teaching to improve the visibility of education for sustainable development and global citizenship.</li> </ul>			Academic and Student Support Services
	<ul style="list-style-type: none"> <li>• We will set up an environmental sustainability forum for staff, students and stakeholders which will report on sustainability performance.</li> </ul>		October 2018	
	<ul style="list-style-type: none"> <li>• We will work with the events network to investigate the principles of the ISO standard for sustainable event management (ISO 20121) and where possible, look to adopt. (Impact of events – footprint UKSport now as an online tool eventIMPACTS.com).</li> </ul>	Self-assessment – no external fee	2019	Communications and Marketing