

Statement	Quantitative targets	Qualitative targets	Responsibility	Stakeholders	Date
<p><b>1.ENERGY &amp; WATER</b></p> <p><b>Manage and reduce energy consumption.</b></p> <p><b>Link to Energy Policy.</b></p> <p><b>Comply with all relevant environmental legislation, regulations and requirements.</b></p> <p><b>Manage and reduce water consumption.</b></p>	<ul style="list-style-type: none"> <li>• 5% reduction against 2014/15 baseline electricity by August 2017</li> <li>• 5% reduction against 2014/15 baseline gas by August 2017.</li> <li>• Increase renewable energy operation to 3% of total consumption by 2020.</li> <li>• 2.5% reduction against 2014/15 baseline water.</li> </ul>	<ul style="list-style-type: none"> <li>• Extract from University of Chester Energy Policy.</li> <li>• Create an energy action plan for all University significant buildings to improve the DEC rating by 2020.</li> <li>• Promote Green Impact, Do Nation and Go Green Week to students and staff to increase energy and water awareness.</li> <li>• Further disseminate information on energy and energy projects to all staff and students.</li> <li>• Implement carbon reduction targets and projects</li> <li>• Cover all residential properties with AMR systems by 2020 (water, gas and electricity).</li> <li>• Implement water reduction recommendations (reducing shower flow rates, low flush toilets and displacement devices, push taps in low risk areas, reducing hand basin tap flow rates).</li> <li>• Implement 'Green Timetabling' initiative from Energy Survey results.</li> </ul>	<p>Phil Moran Estates and Facilities Management Alice Elliott</p>	<p>SMT Catering LIS SSG Faculties Residential Services Commercial Operations Students' Union</p>	<p>2020</p> <p>2020</p>

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<p><b>2. WASTE MANAGEMENT</b></p> <p><b>Link to Waste Policy</b></p> <p><b>Reuse resources whenever possible rather than dispose of them</b></p> <p><b>Encourage the use of recycled materials and recycling initiatives</b></p> <p><b>Comply with all relevant environmental legislation, regulations and requirements.</b></p>	<ul style="list-style-type: none"> <li>• Baseline GHGe emissions from waste and recycling</li> <li>• Reduce GHGe emissions from waste and recycling by 5%</li> <li>• Reduce general waste collection and increase recycled waste collections.</li> <li>• Baseline charity donations.</li> <li>• Increase charity donations by 1000 bags by end of 2017.</li> </ul>	<ul style="list-style-type: none"> <li>• Implement new waste contract, incorporating best practice in waste prevention and minimisation by 2018.</li> <li>• Increase awareness of WARPIT and achieve saving of 1000kg 'waste avoided'; by 2018.</li> <li>• Promote local reuse and upcycle groups to the University of Chester community.</li> <li>• Produce and promote repair map.</li> <li>• Further uptake of 'bin the bin' initiative.</li> <li>• <b>GREEN IMPACT</b></li> <li>• <b>WASTE POLICY</b></li> </ul>	<p>Alice Elliott Tamara Hunt Waste Contract Co-ordinator</p>	<p>Hospitality &amp; Residential Services, LIS, Faculties Estates &amp; Facilities</p>	<p>2018</p> <p>2018</p> <p>2017</p>

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<p><b>3. TRAVEL AND TRANSPORT</b></p> <p><b>Link to Travel and Transport policy. Encourage environmentally friendly transport and implement a sustainable transport/green travel plan.</b></p> <p><b>Ensure that staff, students and visitors to the University of Chester are fully informed of their travel options through effective marketing and communication.</b></p> <p><b>Encourage use of sustainable modes of transport for all journeys to and between campuses whenever possible.</b></p>	<ul style="list-style-type: none"> <li>• Baseline GHGe emissions from staff and students commuting to University of Chester by 2018.</li> <li>• Baseline GHGe emissions from staff and students between campuses by 2018.</li> <li>• Baseline GHGe emissions for travel between student's homes and University of Chester by 2018.</li> </ul> <p>Fleet and Business Travel Targets</p> <ul style="list-style-type: none"> <li>• 5% reduction in GHGe emissions from business travel by 2018 from 2014/15 baseline. <b>(CO2e)</b></li> <li>• 5% reduction in GHGe emissions from fleet vehicles by 2018. <b>(CO2e)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Implement bike hire scheme for inter-campus travel and evaluate uptake and success.</li> <li>• Disseminate travel options to staff students and visitors to the University of Chester.</li> <li>• Promote sustainable travel options via Marketing, Recruitment and Admissions for Open Days.</li> <li>• Erect travel plan information boards and prominent locations throughout the University of Chester estate.</li> <li>• Liaise with public transport operators to identify the potential for further discounts and use of park and ride service.</li> <li>• Promote existing lift share website to staff and students as a tool to identify potential lift share partners.</li> <li>• Develop and implement care share/lift share app.</li> <li>• Encourage staff to use pool cars and shuttle buses.</li> <li>• Investigate/audit the possibility of introducing low emission/hybrid/electric vehicles for the University of Chester fleet.</li> <li>• Encourage the use of video/call conferences to further reduce the need for travel.</li> </ul>	<p>Alice Elliott Tamara Hunt Mark Newman</p>		<p>2018</p> <p>2018</p> <p>2018</p> <p>2018</p> <p>2018</p>

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<p><b>4. PROCUREMENT</b></p> <p><b>Encourage environmentally responsible procurement and employ whole-life costing and environmental performance criteria for selection.</b></p> <p><b>Comply with all relevant health and safety, environmental and procurement legislation.</b></p> <p><b>Aim to mitigate the effects that University of Chester activities have on the environment and to use our purchasing power to create positive impact.</b></p>	<ul style="list-style-type: none"> <li>• Baseline carbon emissions attributed to contracts that University of Chester is able to influence by 2017.</li> <li>• Ensure that sustainability criteria are included in the award of contracts.</li> <li>• Train and educate staff on sustainable procurement and provide tools and procedures to assist.</li> <li>• Consider 'Fair Trade' products.</li> <li>• <b>Add from University of Chester procurement policy 2.2.2.</b></li> <li>• Where possible, consider local suppliers, small medium enterprises, black and ethnic minority businesses, social enterprises, the voluntary sector and charities to do business with University of Chester.</li> <li>• Reduce the impact of purchasing and supply activities by reducing paper flow through the procurement process, avoiding replication and minimising the administrative burden on both University of Chester and suppliers.</li> <li>• Ensure that when procuring work equipment such as IT equipment, sustainability and energy efficiency are key procurement factors, along with health and safety requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Run at least one internal training session each year.</li> <li>• Fully integrate whole life costing when sourcing project and include new electrical and electronic equipment into procurement processes.</li> <li>• Implement a range of initiatives to reduce emissions from print and copy services.</li> <li>• Review the Sustainable Procurement Policy and Guide on an annual basis.</li> <li>• Review the effectiveness and efficiency of University of Chester systems and processes.</li> <li>• Challenge current practices and approaches to improve performance and position. University of Chester to meet future challenges.</li> </ul>	<p>Tina Yu Alice Elliott Rachel Jones Mark Newman Estates and Facilities Management Projects Sustainability Unit</p>		<p>2017</p>

## Sustainability Targets 2017 - 2020



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<p><b>5. CONSTRUCTION AND REFURBISHMENT</b></p> <p><b>Ensure sustainable approaches in all construction and refurbishment and incorporate energy efficiency approaches in all work.</b></p>	<ul style="list-style-type: none"> <li>All building to have a DEC rating of B or above by 2020.</li> <li>All new build projects should be designed to achieve a DEC rating B or above.</li> <li>All refurbishment to maximise opportunities to implement energy and water management policy.</li> </ul>	<ul style="list-style-type: none"> <li>Add from construction policy and advice from projects.</li> <li>All refurbishments will have LED lighting systems.</li> <li>Use best energy rated soft floor coverings for all projects, refurbishments or new builds.</li> <li>Install SMART meters on all new builds.</li> <li>Include 15% renewable and natural design in future projects and refurbishments.</li> <li>Education/dissemination of information regarding renewable and natural ventilation/design features/systems of projects and refurbishments to the building occupants.</li> <li>Lighting to be controlled by proximity and daylight sensors in common areas during projects and refurbishments by 2020.</li> <li>All properties to have 300mm of insulation as standard.</li> <li>Use advisory reports from DEC's to influence and prioritise works to improve ratings and efficiency.</li> <li>Install dual flush, low level cistern toilets as standard in all refurbishments.</li> <li>Create a major project consultation group including all departments of Estates and Premises.</li> </ul>	<p>Estates and Facilities Management Phil Moran Alice Elliott Laura Davies</p>		<p>2020</p>

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<p><b>6. EDUCATION FOR SUSTAINABLE DEVELOPMENT</b></p> <p>To equip students with the knowledge, understanding, skills and attributes needed to work and live in a way that safeguards environmental, social and economic wellbeing both in the present and for future generations.</p>	<ul style="list-style-type: none"> <li>Monitor progress/change in student attitudes and expectations towards sustainability in the curriculum by September 2018.</li> <li>Measure progress against curriculum baseline by 2020 for inclusion/themes within the programme specification and module descriptors.</li> <li>150 hours of volunteering by students with Green Chester by September 2018.</li> <li>Host at least two events per year bringing together staff and students on themes related to sustainability.</li> </ul>	<ul style="list-style-type: none"> <li>Dissemination of subject case studies detailing best practice for embedding sustainability.</li> <li>Presentations/posters delivered at staff conference relating to Education for Sustainable Development.</li> <li>Institution-wide collaboration to host sustainable conference/festival to showcase research, innovation, operation of student engagement with sustainability across the University of Chester and for the wider community.</li> <li>Increased awareness of the Green Chester campaign via induction sessions, drop-in clinics and sustainability forums.</li> </ul>	<p>Alice Elliott Tamara Hunt Curriculum Lab AQE Deans Department Heads Climate Change Special Interest Group</p>		<p>2018</p> <p>2020</p> <p>2018</p>
<p><b>7. FOOD</b></p> <p>Endeavour to use food suppliers with an ethical approach to food service with reduced packaging and box collection services. To offer seasonal menus and change dishes to suit the best products in season.</p>	<ul style="list-style-type: none"> <li>Achieve Food for Life Catering Mark Bronze Award by May 2017.</li> <li>Achieve vegetarian society accreditation by 2017.</li> <li>Achieve Good Pig Award by 2017.</li> <li>Increase use of local produce with low mileage (less than 100 miles) by 10%</li> <li>Increase use of seasonal produce in menus by 5%</li> <li>100% of fish purchased from sustainable stocks defined by the Marine Conservation Society.</li> <li>Reduce meat and dairy consumption.</li> </ul>	<ul style="list-style-type: none"> <li>Support local homeless shelters and reduce wasted food by donating to local shelters.</li> <li>Host meet the supplier days to raise awareness of local suppliers and seasonal/organic food.</li> <li>Reduce the environmental impact of our procurement activities by engaging with suppliers and by ensuring that, where possible, some food supplied is locally produced.</li> <li>Fairtrade tea, coffee, sugar and chocolate provided and communicated to customers, delegates and visitors.</li> </ul>	<p>Ian White Sustainability Unit</p>		<p>2017</p> <p>2017</p> <p>2017</p>

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<p><b>8. BIODIVERSITY</b></p> <p><b>Link to Biodiversity Policy</b></p> <p><b>Enhance biodiversity and incorporate biodiversity in environment, creating new opportunities for wildlife wherever possible.</b></p> <p><b>Provide wide, varied and unique opportunities for social, environmental, visual, education and recreational use and improving University of Chester's green image.</b></p> <p><b>The University of Chester estates offer valuable habitats for wildlife, flora and fauna. Providing the biodiversity on which we all depend on for quality of life and for the future of the planet. It can also be beneficial in improving lifestyles, wellbeing and working conditions.</b></p>	<ul style="list-style-type: none"> <li>• Habitat mapping and surveys of University of Chester estates.</li> <li>• Update plant and equipment to increase the effectiveness and efficiency of estates operations in order to reduce waste and fuel consumption.</li> <li>• Determine the whole cost of carbon benefits of collecting catering and grounds maintenance 'Greenwaste' for onsite treatment.</li> <li>• Increase and vary habitat spaces throughout the estate.</li> <li>• Increase more outdoor space for enjoyment, wellbeing and learning for all students and staff.</li> <li>• Increase m2 of living and edible walls throughout the estate.</li> <li>• Replace felled trees as part of project and refurbishment work.</li> </ul>	<ul style="list-style-type: none"> <li>• Liaise/partner with local and national wildlife organisation.</li> <li>• Preserve and enhance existing habitats.</li> <li>• Introduce interest groups among staff and students.</li> <li>• Raise awareness and promote biodiversity among students, staff and out wider community. Linking with local groups such as Cheshire Wildlife Trust and Friends of the Millennium Gateway.</li> <li>• Incorporate the principles of conservation into estates planning and management.</li> <li>• Ensure sympathetic management techniques are used to avoid disturbance of wildlife and to stimulate natural habitats and encourage native species.</li> </ul>	<p>Mark Newman Peter Gallagher Sustainability Unit Estates and Facilities Management Projects Team Shaunagh Smith</p>		<p>2020</p>

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<p><b>9. COMMUNITY</b></p> <p><b>In order to achieve systematic change, we must avoid isolation and instead engage in ongoing partnerships that foster innovation.</b></p> <p><b>Promote communication and respond appropriately to reasonable requests for information internally, externally and with the wider community.</b></p>	<ul style="list-style-type: none"> <li>• Increase the number of Green Impact teams to at least one team in each department by 2020.</li> <li>• Increase student volunteer hours with Green Chester by 150 hours by 2018.</li> <li>• Increase awareness of the University of Chester sustainability activities via the student induction survey and staff survey.</li> <li>• Increase engagement on social media; exceed 1000 likes on Facebook and 2000 followers on Twitter by 2018.</li> <li>• Run at least one event per year supporting or in partnership with the local community.</li> <li>• Achieve first class rating in the People and Planet University league by 2020.</li> <li>• Create a communication action plan by 2017.</li> </ul>	<ul style="list-style-type: none"> <li>• Disseminate digital copies of the Annual Sustainability Report for the reporting period August – July.</li> <li>• Work in partnership with the Students’ Union to support and promote University wide campaigns and initiatives.</li> <li>• Work closely with local community representatives via the community liaison manager.</li> <li>• Provide opportunities for student engagement champions to deliver and support the University of Chester community.</li> <li>•</li> </ul>	<p>Louise Collins Sustainability Unit Shaunagh Smith</p>		<p>2020</p> <p>2018</p> <p>2018</p> <p>2020</p> <p>2017</p>



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<p><b>10. HEALTH &amp; WELLBEING</b></p> <p><b>Provide appropriate environmental training for all students and staff and encourage support of the EMS.</b></p> <p><b>Incorporate environmental responsibilities to all staff job descriptions.</b></p> <p><b>Incorporate sustainability within the portfolio of responsibilities for a member of senior management.</b></p>	<ul style="list-style-type: none"> <li>All staff to complete compulsory environmental online training by 2018.</li> <li>Increase the provision of water fountains in key areas by 50% by 2020.</li> <li>Create/promote Health and Wellbeing policy.</li> <li>Continue to work towards Smoke Free Campuses.</li> <li><b>Increase m<sup>2</sup> of social green space by m<sup>2</sup> by 2020.</b></li> </ul>	<ul style="list-style-type: none"> <li>Introduce students to Green Chester initiatives during induction week.</li> <li>Work with HR and SSG to host an annual wellbeing event to raise awareness of the facilities and opportunities available to students and staff at the University of Chester.</li> <li>Support commuting students and raise awareness of alternative travel options available to help improve student retention.</li> <li>Promote the importance of good general health and implement appropriate control measures to minimise risks to health and wellbeing.</li> <li>Promote walking and cycling routes within the local area.</li> </ul>	<p>Sustainability Unit Health &amp; Safety Human Resources Student Support &amp; Guidance Estates and Facilities Management Projects Team</p>		<p>2018</p> <p>2020</p> <p>2020</p>