



Cardiff
Metropolitan
University

Prifysgol
Metropolitan
Caerdydd

Sustainability Strategy

2019/2020-2024/2025

Established:

September 2020

Last Revised:

Sustainability Committee September 2020

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PURPOSE

The University's Sustainability Strategy provides a framework to cohere our ambitions and actions in relation to sustainability and sustainable development. We recognise that we have an environmental, economic and societal impact locally, nationally and internationally. We also recognise that we must be a good neighbour to our communities and support our staff and students to be responsible, global citizens. Thus, in line with the Well-being of the Future Generations Act (2015), *we will act in a manner which seeks to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs.*

Our vision is to:

Develop a culture of environmental stewardship amongst our staff, students, contractors, suppliers and local community. We are committed to continual improvement of our Environmental Management system (EMS) to meet the requirements of ISO 14001:2015; engaging with staff, students, contractors, suppliers and the local community to change behaviour.

The actions required to deliver this vision are set out in the delivery mechanisms contained within this strategy.

PLANNING CONTEXT

Wellbeing of Future Generations

Working together to provide a healthier, happier and fairer Wales. Helping create a Wales that we all want to live in, now and in the future through:

- **A long-term approach** that ensures that the University takes a longer-term view to recognise the need to address the wellbeing of future generations
- **Prevention** where we tackle problems at source, rather than tackling the consequences of these problems at a later date.
- **Integration** as we recognise the inter-relationship that exists between social, economic and environmental outcomes and impacts.
- **Collaboration** as we recognise that many of the solutions to the global and national sustainability challenges cannot be solved without working together in partnership with our communities.
- **Involvement** and engagement as we understand the importance of involving people in the decisions that affect them.

Cardiff Metropolitan University

Sustainability

Pillars for Success

Organising sustainability: We will embed a culture of sustainability embedded in our thinking and behaviours

Empowering sustainability: We will foster the capacity for our students, staff and communities to champion sustainability.

Delivering sustainability: We will make a proactive and positive contribution to the sustainability of our environment,

Organising sustainability

Strategic Approach:

We will embed a culture of sustainability across the organisation that demonstrates our commitment to the principles of sustainable development.

Strategic Objectives:

What do we want to achieve?	
A culture of sustainability embedded in our thinking and behaviours	
Owner: PVC P&EE	
WE WILL...	
Actions	Delivery mechanisms
Ensure that accountability for sustainability is embedded into the governance structures of the organisation	Sustainability Committee/Management Board/Board of Governors / Trade Unions /Students' Union
Ensure that university policies and practices impact positively on all forms of sustainability	Taking Part/Waste Management Strategy/Travel Plan/Ethical Supply Chain Policy/Carbon Management Strategy/Procurement / Sustainability Committee / Environment & Sustainability Policy / Biodiversity plan / Ethical Investment / Fairtrade Policy / Sustainable food & fish Policies / Energy Policy / Learning and Teaching
Take a robust, evidenced-based approach to the measuring and monitoring of sustainability in Cardiff Met	ISO14001:2015/People and Planet/InSites/ website/Committee minutes/Annual Environment and Sustainability report / Wellbeing Report
Celebrate key achievements in sustainability at all levels	VC Awards/Annual Environment and Sustainability report/InSites/Cardiff Met Awards / Wellbeing Report / External Award successes / University website
Ensure clear, concise audience appropriate messages on sustainability	InSites/ TV's / Social Media / Wellbeing Report / Annual Report Environment and Sustainability
Work with suppliers who have sound ethical environmental and sustainability policies.	Ethical Supply Chain Policy/Procurement policies
Invest the finances of the university ethically and in areas that promote sustainability	Ethical Investment Policy
Ensure that sufficient resource is devoted to addressing sustainability issues	Budgeting process/ Sustainability Committee

Communicate the success of our actions openly and transparently	Annual Environment and Sustainability report/InSites/University website / Social media / Wellbeing report / External Award successes
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Empowering sustainability

Strategic Approach:

We will ensure that our staff, students and local communities value sustainability and are empowered to act in a sustainable manner

Strategic Objectives:

What do we want to achieve?	
Fostering the capacity for our students, staff and communities to champion sustainability.	
Owner: PVC P&EE	
WE WILL...	
Actions	Delivery mechanisms
Strengthen and extend relevant external strategic partnerships to enhance understanding of sustainability in our students, staff and external communities	Business in the Community Cymru network; Keep Wales Tidy; Repair café Wales / Students' Union Strategy
Empower individuals and groups to promote sustainability both within and outside the institution	Induction/Staff development/Benefit Markets - roadshows/ Community Days/Green Workshops / Res Life programme / Repair Cafes/ Keep Wales Tidy hub for community / Refill organisation / Students' Union Strategy
Work with partners to offer a programme of innovative activities that encourage sustainability	Keep Wales Tidy hub for community / Cardiff Met Award / Repair café Wales, Refill organisation / Students' Union Strategy
Integrate the consideration of sustainability into induction processes and professional development for staff and students.	Induction programme for staff/students/ <i>Leading Lights</i> / Guest lectures / Students' Union part time Environmental Officer/ Real World projects / Students' Union Strategy
Provide opportunities for taking part in sustainability related volunteering and extra-curricular activities	Real World projects/Community days/ Cardiff Met Award / Student internal Auditors / EDGE / HEAR statement / Cardiff Digs – Environmental Champions / Students' Union Strategy
To embed sustainable development and awareness of environmental issues in our curricula in all Schools.	School plans/Curriculum Framework/ Learning & Teaching Assessment Strategy / Real World projects
Carry out research which contributes to understanding of, and improvements to sustainability	Schools/Academics/Research Plans/

Delivering sustainability

Strategic Approach:

We will operate in a manner that aligns to the principles of sustainable development and minimises any adverse impact locally, nationally and internationally.

Strategic Objectives:

What do we want to achieve?	
Making a proactive and positive contribution to the sustainability of its environments.	
Owner: PVC P&EE	
WE WILL...	
Actions	Delivery mechanisms
Ensure that campus developments are evidence of our commitment to sustainability	Campus Master Plans/ Carbon Management Strategy / Procurement Policy / Waste Management Strategy / Biodiversity / Environment and Sustainability Policy
Commit to a being carbon neutral by 2030	Carbon Management Plan/Business Travel Policy/ Travel Plan
Maintain accreditation of ISO14001:2015	ISO14001:2015 framework/Sustainability Committee/Sustainability Engagement Manager / Environment and Sustainability Policy
Obtain a 1 st class rating for the People and Planet Green League	People and Planet Green League/Sustainability Committee/ Sustainability Engagement Manager
Reduce the amount of waste we produce	Waste Management Strategy and Plan/ISO14001:2015 / Sustainable Food / Procurement
Increase awareness of the need for recycling and re-use amongst staff, students and our communities	Waste Management Strategy and Plan/re-use site / Buy & Sell / Sustainability Engagement Manager/Community Days/Repair cafe
Reduce our use of water and recycle and re-use where possible	Carbon Management Plan/ISO14001 : 2015 / Repair Café / Energy Management Policy / Re-use Site / Buy & Sell site / Repair Café /
Continue to promote alternatives to car travel, in particular single occupancy car travel	Travel plan / Cycle Purchase Scheme / Community Days / Repair Café / Initiatives on Campus e.g. Next Bikes
Develop mechanisms for reducing and off-setting business travel	Business Travel Policy/carbon Management Plan / Travel Plan

Be sector-leading in the sustainability of food and hospitality services	Sustainable Food/Sustainable Seafood/Fairtrade / Sustainable Restaurant Association (SRA) / TUCO / Soil Association / External Award successes
Carry out research in a manner that impacts positively on our environments.	Schools/RIS/Ethics Committee / Research & Innovation strategy

Measures of Success:

Measure	Baseline	2022/23
<p>SMART targets are documented in Appendix of Annual Environment and Sustainability Reports as part of ISO 14001:2015 our Environmental Management System (see appendix)</p> <p>Progress of SMART targets are reported to termly Sustainability Committee and within Annual Environment and Sustainability Report and published on external webpages (see appendix)</p> <p>Annual External Review of ISO 14001:2015</p> <p>Internal auditor review of environmental management system of all areas each year by trained staff and student volunteers.</p>		

Appendix

SMART targets are documented in Appendix of [Annual Environment and Sustainability Reports](#) as part of [ISO 14001:2015 our Environmental Management System](#)

Progress of SMART targets are reported to termly Sustainability Committee and within Annual Environment and Sustainability Report and [published on external webpages](#)

SMART TARGETS

Environmental 2020 – 2022/23 - Targets and Objectives part of EMS – ISO14001:2015 (measured against EMS baseline data)

Impact Area	Objective	Target	Indicators	Responsibility
Sustainable Food	Limit the impact of food purchasing	<ol style="list-style-type: none"> 1) To progress Sustainable Restaurant Association feedback report and Soil Association accreditation. 2) To review food offer across the University's (and CMSU's) catering outlets. 3) Engage with CSSHS (Nutrition and Dietetics) Real World project to support development of new product (food) development at University catering outlets. 4) Enhance involvement with the Sustainable Food City initiative 5) Continue to review impact on Waste Management Strategy 	<ol style="list-style-type: none"> 1) To improve scoring of 78% and 3 stars for Sustainable Restaurant Association and achieve Soil Association Accreditation. 5) Continue to review single use plastic use at all outlets. Measure of re-usables with hot drink purchases and single use cups collected for recycling and number of free water vends. Food waste and Food prep data to be collated for WRAP 	Catering & Hospitality Manager
Waste Management	Reduce waste and increase awareness	<ol style="list-style-type: none"> 1) Reduce total number of bins across Campuses and standardise to support clear message on Recycling (survey pre – March 2020 and post July 2020). 2) To remove all Glass and Food waste from Halls Recycling (DMR) and General Waste streams at Cyncoed and Plas Gwyn by July 2020 (current contamination level to zero – Record reported incidents to date and measure against reported incidents as at July 2020) 3) To make all Staff, Students and Visitors aware of the Recycling and Re-use facilities at the University (surveys of Students and Staff to be undertaken during March 2020 and again June 2020) 	<ol style="list-style-type: none"> 1) Audit of bin locations and numbers March 2020 and survey review data 2) Record reported incidents to date and measure against reported incidents as at July 2020 3) Record of awareness activities and survey results 4) Maintain zero waste to landfill and work towards Welsh Government's target of recycling 70 per cent of our waste by 2025. 	Campus Services Manager
Travel & Transport	Minimise the negative environmental impact of University related travel & transport	<p><u>Walking</u> To increase student and staff walking to campus by 3% and 5% respectively over the next two years to have 30% of students and a fifth of staff walking to campus. To measure results via the biennial Student & Staff Travel Survey, scheduled for November 2020.</p> <p><u>Cycling</u> To increase cycling to campus as a preferred mode to single occupancy car use via exploring the opportunity to become part of Cardiff Councils 'Cycle Super- Highway' planned for 2023. To increase cycling at Llandaff Campus from 14.08% to 20% in annual 2% increments over the next three years. To expand the cycle storage facilities at both Llandaff and Campus before 2023</p> <p><u>Met Rider</u> To migrate to an app based Met Rider pass for September 2020.</p>	<p><u>Walking</u> November 2018 survey indicated that currently 27% of students and 15% of staff walk to campus</p> <p><u>Cycling</u> To be assessed via the Student & Staff Travel Survey and via cycle storage/changing card access requests.</p> <p><u>Met Rider</u> To be assessed via annual sales figures.</p>	Travel Plan Manager

		To explore having more public bus services delivering to Llandaff Campus through open bus access to the front of Llandaff Campus. To increase Rider patronage amongst both students and staff by 5% in total over the next three years.		
Sustainable Procurement	Through applying sustainable procurement principles and practices, the University aims to meet its need for products and services in a way that achieves value for money, yet delivers the most positive social, environmental and economic impacts possible throughout the entire life cycle of whatever has been procured	To embed sustainable procurement practices is all key stages of the procurement lifecycle process.	Programme of engagement with prospective, new and existing suppliers that sets out Cardiff Met's expectations in regards all aspects of sustainable supply chains. Implemented during the first half of 2020. Indicators of engagement and success for this programme will include: 100% of all suppliers bidding for Cardiff Met contracts 100% of all new suppliers engaged by the University Proactive sustainability engagement resulting in the identification of new sustainability opportunities and active enhancements across the key suppliers in the Universities top 10 sustainability risk commodities as identified through the Higher Education Procurement Academy ('HEPA') Commodity Risk Sustainability Assessment profile.	Head of Procurement
Students' Union	Increase awareness activities with students and the community	<u>Events</u> Number of sustainable awareness events Number of Fairtrade events Attendance at Cardiff Met Community Days Attendance at Global Week Number of events organised by Students' Union Part Time Environmental Officer Number of student litter picks organised by SU volunteering Numbers of sustainable stalls at fresher's fayre Numbers of events for Go Green week <u>Initiatives</u> Numbers of Fairtrade Steering Group members Number of Sustainable societies Continue Fairtrade status Number of students taking part in the Cardiff Met Award, with the level: - Health and Wellbeing; Global Mind Set and Sustainable Thinking <u>Awareness</u> Number of social media posts Number of students engaging over recycling bags / food waste bags Number of initiatives introduced by the Students' Union Number of Environmental Champions Continue to hold the Social Enterprise Mark	<u>Events</u> 1 3 4 1 1 1 4 1 <u>Initiatives</u> 3 1 Attain 2 of each <u>Awareness</u> Record numbers	Director of Students' Union
Sustainable Estates	Construction, Refurbishment, Biodiversity	Net zero carbon by 2030 – target in NET ZERO CARBON action plan will encompass different aspects of the EMS.	Improve external estate, increasing connectivity, wellbeing, biodiversity, pedestrian safety, aesthetics and social/informal learning Plant at least 60 trees – 25 each at Cyncoed and Llandaff, 10 at Plas Gwyn Create new space for staff and student food growing, at all campuses	Director of Environment & Estates

			<ul style="list-style-type: none"> · Increase external seating areas by at least 20 spaces each at Cyncoed and Llandaff, 10 at Plas Gwyn · Remove smoking shelters as Clean Air Policy starts in September 2020 · Create conservation area and walk in east/riverside wood at Llandaff · Create new route to riverside at rear of Llandaff · Replace central bike shelter at Llandaff with larger shelter using sustainable materials · Additional living wall planting at Cyncoed and Llandaff · Green front of Llandaff campus through additional turfing at roadside and sympathetic redecoration of key buildings · Provide training/learning opportunities for beehives on both campuses <p>Ensure sustainability at heart of new construction/campus redevelopment and estates strategy</p>	
Paper & Print	Managed print service	<ol style="list-style-type: none"> 1) Monitor & educate top users (staff) for single-sided & colour print. 2) Measure and report on double-sided print across the fleet (monthly reporting) 3) Measure and report on colour print across the fleet (monthly reporting) 4) Measure and report on overall scanning volumes across the fleet (monthly reporting) 	<ol style="list-style-type: none"> 1) Monthly reporting with top 5 users identified, contacted and information provided on methods to reduce consumption 2) Baseline of 60% duplex 3) Baseline of 65% mono 4) Baseline of 500,000 scans per calendar year 	Commercial Services Manager
Environmental Awareness	Increase awareness activities, Campus and within Community	<ol style="list-style-type: none"> 1) To raise awareness of environmental and sustainability issues amongst Cardiff Met staff, students, stakeholders and local community with events and communication 2) Maintain ISO 14001 : 2015 3) Improve standing in P&P Green League table 	<ol style="list-style-type: none"> 1) Monthly reporting on events type, number and impact 2) Maintain continuous improvement with ISO 14001 and achieve zero non-conformities 3) Improve on 68th from 2019 league 	Sustainability Engagement Manager
Energy & Utilities	Reduce Energy & Water consumption	<ol style="list-style-type: none"> 1) Reduce utility emissions to meet reduction targets (currently 3% per annum) as set out within Carbon Management Strategy 2) Development of Carbon Management Plan project list to deliver aims of the Carbon Management Strategy, including prioritisation of projects for implementation 3) Improve awareness of energy and utility consumption across the estate through regular targeted reporting of key data through meetings with schools 	<p>Reduce absolute carbon emissions from water by 10% by 2022/23, compared to the 2017/18 baseline. This is equal to a 2% reduction in water related CO₂e emissions per annum.</p> <p>Reduce absolute carbon emissions from energy by 15% by 2022/23, compared to the 2017/18 baseline. This is equal to a 3% reduction in energy related CO₂e emissions per annum.</p> <p>Net carbon zero by 2030 – action plan May 2020</p>	Energy and Environment Engineer
Emissions & Effluents	Legislation Compliance / Best Practice	Compliance with Legislation /Best Practice, Drainage Discharge, Emissions to Air, Drainage, Air Conditioning ,Lev's and Fume Cupboards ,Water Treatment / Control of Legionella	Recording of Compliance with Legislation and Best Practice for Drainage Discharge; Emissions to Air; Drainage; Air Conditioning; Lev's and Fume Cupboards and Water Treatment / Control of Legionella, checking via internal student audits and ensuring compliance through our legislation update service.	Maintenance and Space Operations Manager

Chemicals & Hazardous substances	Control of chemical & hazardous substances	Monitoring the implementation of the Cardiff Met Environment Good Practice Use of Chemicals Protocol within the University's schools/units.	Recording of number of completed internal audits collectively completed between health & safety inspections and internal /external environmental audits per term.	Asst Dir of HR (Occ Health, Safety & Wellbeing)
Academic Development	Promotion of Environmental studies	1) To initiate an investigation into how many courses currently contain components of sustainability within the University. 2) To scope out how sustainability could be incorporated into the future QED CPD offering as part of the current CPD review, including evaluation processes e.g. through workshop feedback/ staff self-reporting on activities /validation processes.		Learning Development Officer
Sustainable Research	Academic research and consultancy relating to environmental topics	Completion of an annual report summarising academic research and consultancy undertaken by the University		Director of Research and Graduate Studies

This document has been created, reviewed and approved by the Sustainability Committee April 2020, comprising of Pro-Vice Chancellor Partnerships and External Engagement, Sustainability Engagement Manager, EMS Aspect Owners, Students' Union – SU President and SU Part Time Environmental Officer, Trade Unions and School Academic representatives.

The draft was presented to Focus Group consultations of staff and student volunteers, updated and approved on the 3rd September 2020 Sustainability Committee.

If you have any comments or would like to volunteer with Sustainability Strategy / Policy review please contact Sustainability@cardiffmet.ac.uk