



**DE MONTFORT
UNIVERSITY
LEICESTER**

SUSTAINABILITY REPORT 2022/23

SUSTAINABLE DEVELOPMENT GOALS





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GLOSSARY OF TERMS

Within the field of sustainability and within this document there are a number of technical terms and expressions which require definition. This glossary of terms aims to define these expressions within the context of the University's Sustainability Report.

BREEAM

Building Research Establishment Environmental Assessment Method (BREEAM) is a standard for sustainable construction. For more information: www.breeam.com

British Standard BS8555

BS 8555 is the British Standard for EMS and helps organisations improve their environmental performance by providing a standard process to build an EMS in five phased stages. For more information: www.serenscheme.com

Carbon Dioxide (CO₂)

The most significant long lived greenhouse gas in Earth's atmosphere. For further information: www.climate.nasa.gov/causes

Carbon Equivalent (CO₂e)

CO₂ equivalent (CO₂e) is the concentration of CO₂ that would cause the same level of radiative forcing or warming as a given type and concentration of greenhouse gas.

When carbon is discussed in this document it relates to carbon dioxide equivalents.

Carbon Literacy Training

Carbon Literacy: "An awareness of the carbon dioxide costs and impacts of everyday activities, and the ability and motivation to reduce emissions, on an individual, community and organisational basis."

For further information : www.carbonliteracy.com

Carbon Management

The process of managing activities and the delivery of services to reduce emissions of carbon dioxide.

Webpage for more information: www.dmu.ac.uk/about-dmu/sustainability/sustainable-campus/carbon-management.aspx

Methane

A greenhouse gas with a warming potential 21 times greater than carbon dioxide but is much less abundant in the Earth's atmosphere.

Webpage for more information: www.climate.nasa.gov/causes

Education for Sustainable Development (ESD)

An initiative to enable and inspire students, staff and DMU's wider community to collectively learn about and act on sustainable development and the SDGs, inspiring action now and in the future, professionally and through active citizenship.

Webpage for further information: www.esdg.our.dmu.ac.uk/about/dmu-esd-project

Environmental Management System (EMS)

An EMS is a structured process to enable an organisation to reduce its environmental impacts, meet its legal requirements and demonstrate continual environmental improvement.

Greenhouse Gases

Certain gases in the atmosphere block heat from escaping. These are known as greenhouse gases.

For more information: www.climate.nasa.gov/causes

Responsible Futures

The Responsible Futures programme, run by the NUS, is an externally-assessed accreditation mark to assist all institutions in helping students to gain the skills and experience they need to thrive as global citizens.

Webpage for further information: www.sustainability.nus.org.uk/responsible-futures/about

SKA

An environmental assessment method, benchmark and standard for non-domestic fit-outs, led and owned by RICS.

Webpage for further information: www.rics.org/uk/about-rics/responsible-business/ska-rating

Sustainable Development Goals (SDGs)

The SDGs are a global agenda, adopted by countries in 2015, with a vision of ending poverty, protecting the planet and ensuring that all people enjoy peace and prosperity.

Webpage for further information: www.globalgoals.org

SDG Teach In

The 'SDG Teach In' is a campaign to put the SDGs at the heart of education. The Teach In calls upon educators to pledge to include the SDGs within their teaching, learning, and assessments.

Webpage for further information: www.sustainability.nus.org.uk/sdgteachin

Students Organising for Sustainability (SOS-UK)

SOS-UK is an education charity created by the student movement in 2019 in response to the climate emergency and ecological crisis.

The organisation is a student led charity which focuses on sustainability. SOS run a number of engagement programmes which DMU participates in www.sos-uk.org

Student Switch Off

Student Switch Off (SSO) is an energy saving competition between halls of residences run nationally by the NUS, and at DMU.

Webpage for further information: www.studentswitchoff.org

Sustainable Construction

A way of building which aims to reduce negative health and environmental impacts caused by the construction process or by buildings or by the built-up environment.

Sustainability Skills Survey

Annual survey of student attitudes towards learning for sustainable development by the NUS.

Webpage for further information: www.sustainability.nus.org.uk

The University

De Montfort University, including senior management, staff and students.

Webpage for further information: www.dmu.ac.uk/sustainability

Times Higher Impact Rankings

The Times Higher Education Impact Rankings are the only global performance tables that assess universities against the United Nations' SDGs.

For further information: www.timeshighereducation.com/rankings/impact/2020/overall

University League

People & Planet's University League is an independent league table of UK universities ranked by environmental and ethical performance. It is compiled annually by the UK's largest student campaigning network, People & Planet.

For further information: www.peopleandplanet.org/University-league



INTRODUCTION

De Montfort University is committed to addressing sustainability across all its operations and activities. The University strives to embed sustainability into all forms of teaching and learning, how we manage and run our campus and also how we engage with our local and international partners.

Sustainability and the Sustainable Development Goals (SDGs) has been identified as a key cross cutting theme in the University's Empowering University strategy which sets the strategic direction for the institution over the next few years.

DMU is also a global hub for SDG16 Peace, Justice and Strong Institutions and is the only UK university to receive this accolade.

Universities have a special role and responsibility to play in delivering sustainability. Not only are universities large employers with considerable financial spend but also have a key role as educators to its staff, students and stakeholders and as institutions which can develop real world solutions to global challenges through their research.

DMU embraces this responsibility through its work on sustainability and continues to make progress in addressing sustainability in all its activities and operations. The institution is committed to publicly reporting its work and progress in this important area.

This sustainability report for 2022/23 highlights our progress against our sustainability targets and the progress that we have made in many areas of our work throughout the year.

The publication of this annual report provides an opportunity for staff, students and other stakeholders to assess our sustainability performance. This is a key element of our environmental management system and sustainability reporting. As well as reporting progress against our key objectives and targets within this document we also publish the data to support our progress on sustainability.

We welcome feedback from our staff and students on this report and on areas where we can improve our sustainability performance.



THE SUSTAINABLE DEVELOPMENT GOALS

De Montfort University is committed to supporting the United Nations' Sustainable Development Goals (SDGs), or Global Goals, to ensure all people enjoy peace and prosperity while protecting our planet from global threats such as climate change. The 17 SDGs aim to improve a broad range of ecological and humanitarian issues including poverty, hunger, health, education, climate change and social justice by 2030.

The SDGs were agreed by all nations of the UN, both developing and developed, as an urgent call for action to address many of the global issues that we face. DMU has been identified as having a special global role in this work as the Academic Hub for SDG16, which focuses on peace, justice and strong institutions – the only one of its kind in the UK.

To emphasize our commitment to the SDGs we will highlight where our work contributes to the Global Goals throughout this report.

SUSTAINABLE DEVELOPMENT GOALS





MAKING AN IMPACT

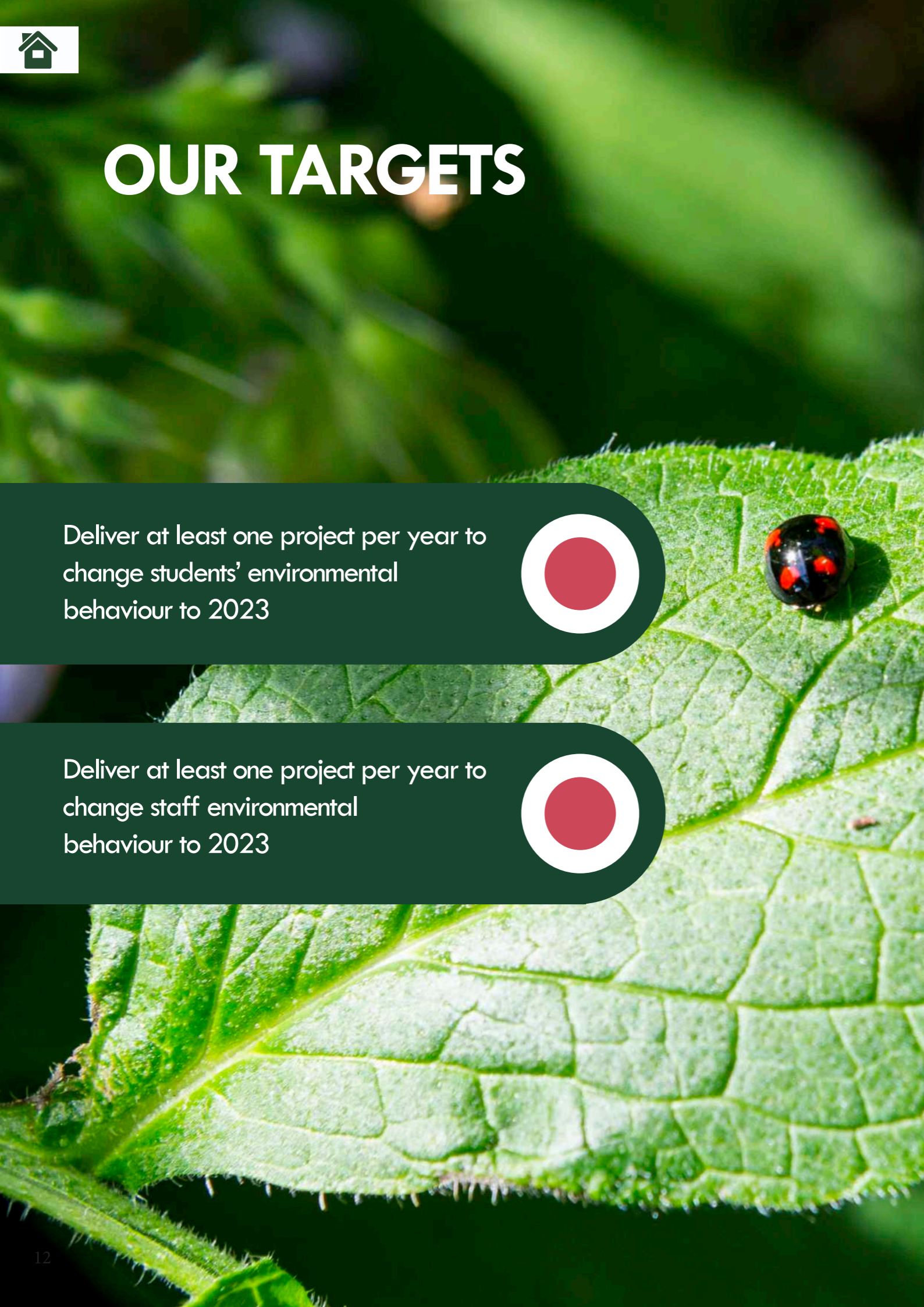
Staff and student engagement

DMU has a privileged position as a global hub for SDG16 Peace, Justice and Strong Institution. As a global hub the University was delighted to welcome two senior officials from the United Nations (UN) who joined students and staff to discuss how De Montfort University can accelerate efforts to meet the targets of the Sustainable Development Goal (SDGs).

Jayashri Wyatt, Chief of the UN's Education Outreach Section and Carlos Islam, UN Public Information Officer, visited DMU at the half-way point of the UN's Agenda 2030, to discuss how efforts to meet the targets of the SDG framework against a backdrop of global challenges including post-Covid-19 recovery, the war in Ukraine and the impacts of climate change can be stepped up. As part of the visit a series of events and activities were arranged which engaged staff and students on this important agenda.

In 2022/23 DMU also relaunched the Green Impact project. Green Impact is a behaviour change programme, run by SOS-UK which bring staff and students together to address sustainability right across the institution.

We also have dedicated social media channels focusing on the sustainability work at DMU. These channels are on Facebook, Twitter, Instagram and Tik Tok. The sustainability team also provide placement opportunities within the team for students through the Frontrunners scheme to obtain first-hand experience of delivering sustainability in a large organisation.



OUR TARGETS

Deliver at least one project per year to change students' environmental behaviour to 2023



Deliver at least one project per year to change staff environmental behaviour to 2023



OUR PROGRESS

- DMU ran the Green Impact behaviour change project for staff and students
- The Sustainability Team gave guest lectures to students on environmental management, corporate social responsibility and the sustainability work of the team.
- Students and staff receive information about the University's sustainability work in their induction
- Student and staff receive Carbon Literacy training





ENVIRONMENTAL MANAGEMENT

DMU has an Environmental Management System (EMS) to manage its environmental impacts. An EMS is a set of processes and practices that enable an organisation to manage and reduce its environmental impacts, increase its operating efficiencies, and ensure it meets its legal obligations. Our EMS is assessed annually by external auditors against the requirements of the British Standard (BS8555) for environmental management systems.

This annual sustainability report is a key part of the EMS in terms of publicly reporting progress in meeting our sustainability objectives and targets

BRITISH STANDARD BS8555 PHASES

Phase

- 1** Commitment and establishing the baseline – Achieved
- 2** Identifying and ensuring compliance with legal and other requirements – Achieved
- 3** Developing objectives, targets and programmes – Achieved
- 4** Operation and implementation of the EMS – Achieved
- 5** Checking, environmental audits and reviews – In progress
- 6** Transition to international EMS standard ISO14001:2015 – Not started



OUR TARGETS

Implement an environmental management system (EMS) for the whole campus and gain external certification for the system



Complete environmental legislative audits on air emissions, waste storage, disposal and discharges annually



OUR PROGRESS

- External audit completed and retained BS 8555 Phases 1 – 4 standard for DMU
- Complied with environmental legislation
- Legislative audits completed for EMS





TEACHING AND RESEARCH

Embedding sustainability into all forms of learning is a key element of being a truly sustainable University.

DMU and the DSU participate in the Responsible Futures programme as a measure of our progress in embedding sustainability into our teaching and learning. The programme is run by SOS-UK and works on a two-year cycle with an external audit every two years to assess progress. The audit is conducted by our own students following specialist training by SOS-UK and in March 2023 DMU students held us to account on our progress in this area. Following a two-day audit including interviews with senior management DMU and the DSU were reaccredited to the Responsible Futures programme.

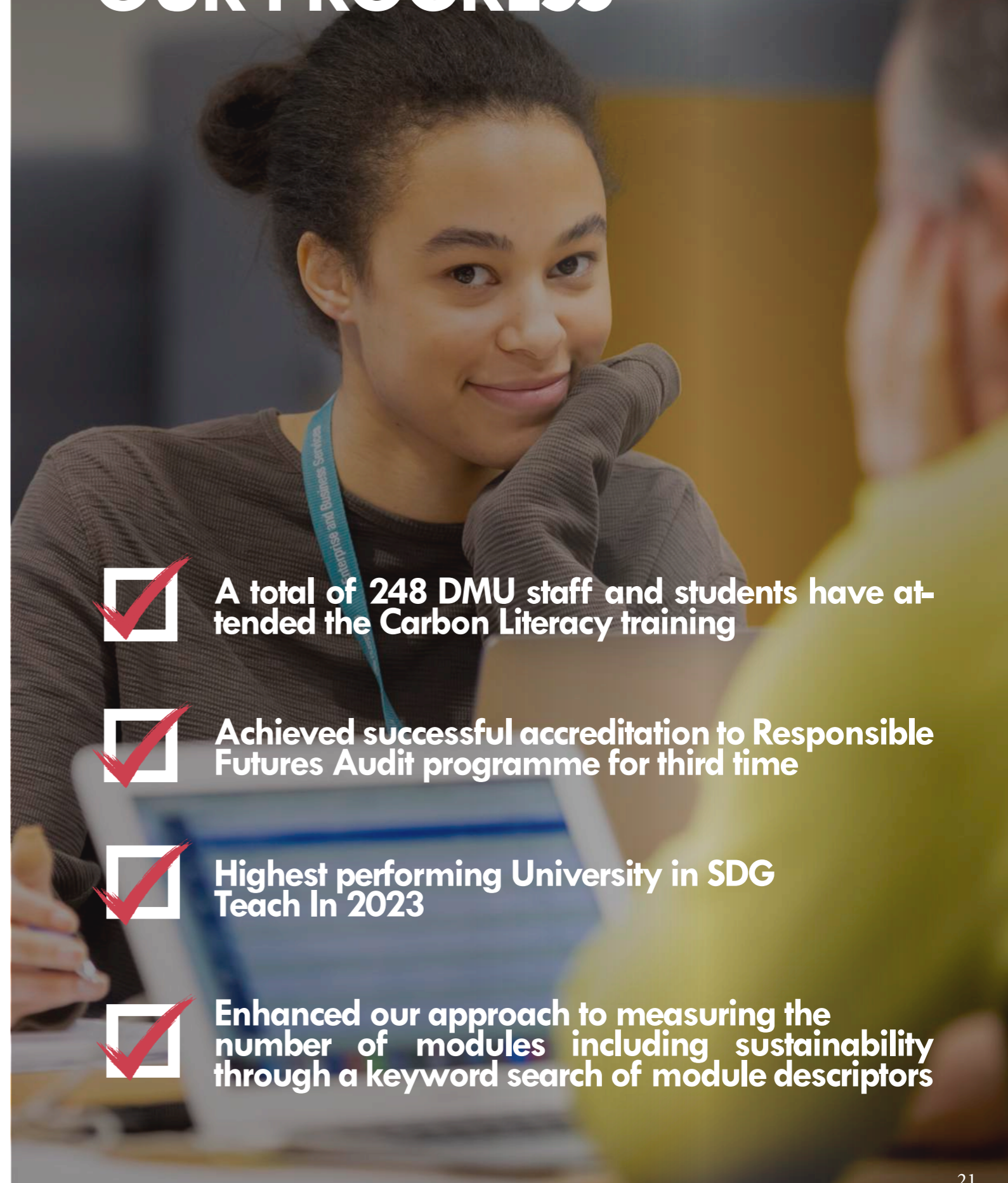
The University has continued to deliver its Carbon Literacy training for staff and students as part of its ESD approach. Carbon Literacy is an awareness of the carbon dioxide costs and impacts of everyday activities, and the ability and motivation to reduce emissions, on an individual, community and organisational basis. Carbon Literacy is an assessed course comprising of eight hours of learning with a submission of an evidence form to demonstrate participants learning about climate change and the inclusion of two significant pledges to reduce their individual and community carbon footprints.



DMU took part in the SDG Teach In which is a campaign to put the SDGs, and therefore sustainability, at the heart of all stages of education, and across all disciplines. The annual campaign, run by SOS-UK, encourages educators to include the SDGs within their teaching, learning, activities and assessment during the campaign which takes place throughout March. DMU was the highest ranked university in the SDG Teach In for the number of educators taking part in the campaign.



OUR PROGRESS



- A total of 248 DMU staff and students have attended the Carbon Literacy training
- Achieved successful accreditation to Responsible Futures Audit programme for third time
- Highest performing University in SDG Teach In 2023
- Enhanced our approach to measuring the number of modules including sustainability through a keyword search of module descriptors



TRAVEL

When DMU Placement Student, Daria Brazhnyk, joined the Sustainability Team, she had never ridden a bike before but decided to learn as it's a sustainable way of transport. Daria was among the one in eight adults in Britain that never learned to ride a bike, but thanks to the Sustainability Team and Leicester City Council, she has transformed from a cycling novice to a proficient cyclist.

She was taught by qualified cycling instructors who supplied her with a bike for the training sessions, and learned at a pace that was right for her. Daria's first training session was off-road in Bede Park, where she learned how to balance on the bike. After only eight sessions, Daria was riding a bike by herself outside the Vijay Patel building. To inspire others to follow her example, Daria documented every step of her biking journey. You can view her story on TikTok. DMU has now launched the Daria Project with Leicester City Council to encourage staff and students to ride a bicycle with free lessons provided on campus.

Travel behaviours of DMU staff and students is assessed through the annual travel survey. In 2022/23 the results of the survey identified that 45% of staff travel in a single occupied vehicle, 18% of staff travel by public transport and 49% of staff choose a sustainable form of travel for part or all of their journey to DMU. The results of the survey are also used to calculate the carbon impact of staff and student commuting. This showed that staff and student commuting contributed 2,126 tCO₂e to the University's carbon footprint.

Distanced travelled on business travel for the University increased in 2022/23 but remains lower than pre-pandemic levels. Total air travel was 4,445,962 kms and rail was 233,222 kms contributing 848 tCO₂e and 8 tCO₂e respectively to the institutions carbon footprint.

	2018/19	2019/20	2020/21	2021/22	2022/23
Domestic Rail (kms)	651,774	524,185	42,201	134,050	224,474
International Rail (kms)	42,892	21,425	1,375	5,383	8,748
Total Rail (kms)	694,666	545,610	43,576	139,433	233,222
Total Air Travel (kms)	10,553,858	8,183,431	703,898	245,776	4,445,962



OUR TARGETS

Total carbon emissions from commuting to be a three-year average of <2,500 tCO₂e



The percentage of staff commuting by sustainable alternatives to be a three year average of 65% by the end of 2023 and 67% by the end of 2025.



Three-year average for staff commuting by single occupancy vehicle to be 33% by the end of 2025



OUR PROGRESS

- Commuting emissions were estimated to be 1,708 tCO₂e for the period 2019 - 2022
- Staff commuting by sustainable alternatives was a three-year average of 50% for the period 2020-2023
- Staff commute by single occupancy vehicle was a three-year average of 45% for the period 2020 – 2023





ENERGY AND WATER

The DMU campus requires energy for lighting, heating and equipment use. Our energy use has an impact through the means to generate the energy we need as well as through the carbon emissions which are released when these fuels are used.

Total energy use for 2022/23 was 27,363 MWh. Energy use has decreased this reporting year when compared to the previous year. Electricity use accounted for 12,576 MWh and gas was 14,787 MWh. Energy consumption was lower this year and has returned to pre-pandemic levels.

The University is supplied by 100% zero carbon electricity with the energy being generated from nuclear power. Targets in relation to energy use are reported through the University's carbon reduction targets which are detailed later in this report.

Water use on campus fluctuates from year to year. The consumption for 2022/23 was 68,766 m³ which is higher than the previous year. This is a reflection of more staff and students being on campus and using the campus facilities.

OUR TARGETS

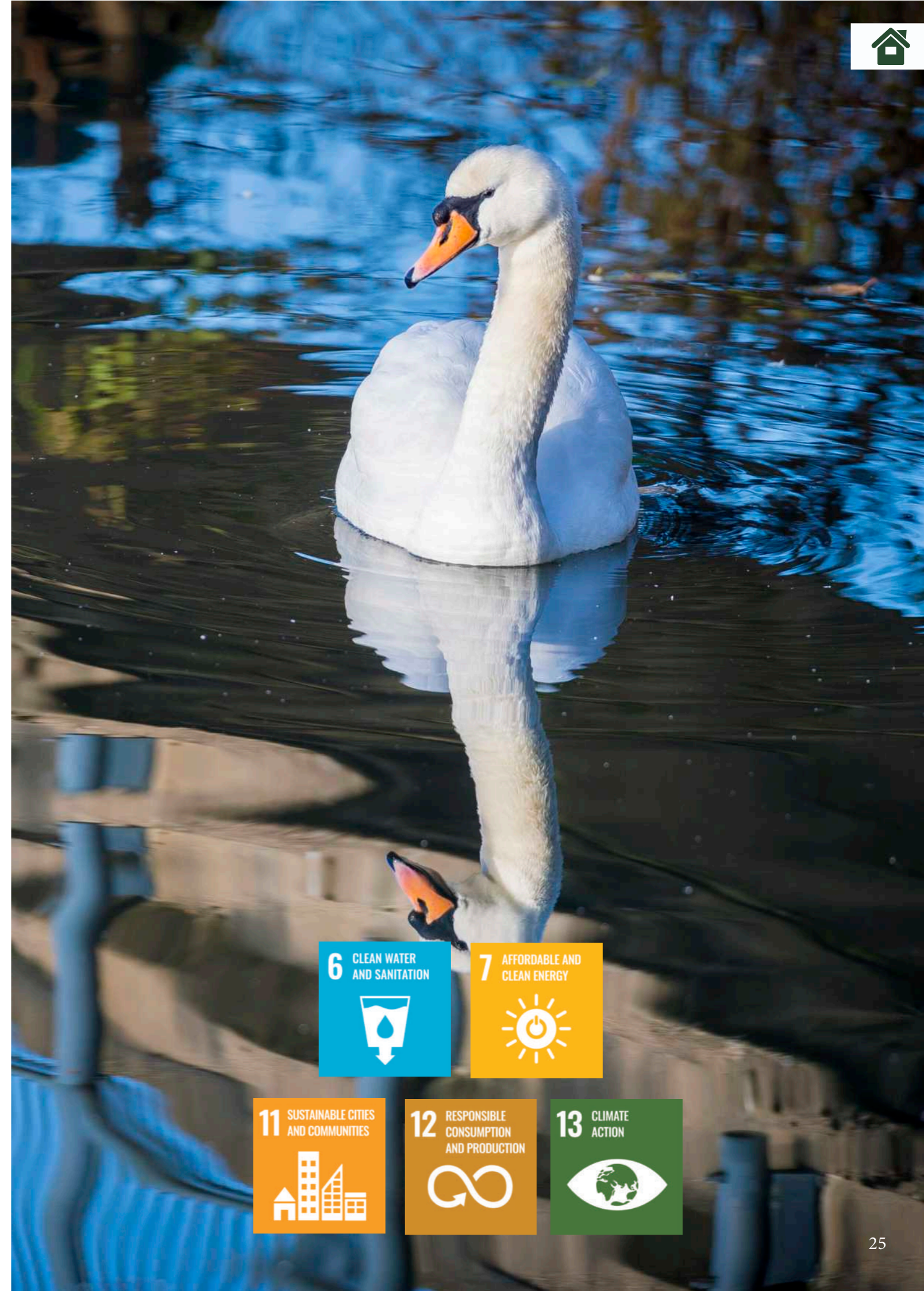
Three per cent reduction in water consumption against the three-year average from 2012 to 2014 (The three-year average is 74,153m³ therefore a 3% reduction is 2,224m³ per year).



OUR PROGRESS

 Water consumption in 2022/23 was 68,766 m³ which is a 13% increase compared to the previous year.

 Our grid electricity supply comes from 100 per cent renewable and low carbon sources. This includes renewables and nuclear generation.





WASTE AND RECYCLING

The University collects and recycles a wide variety of waste materials from campus. Data is provided by the waste contractors on the weights of waste collected and how this waste is disposed of or recycled. This data forms the basis of calculations to determine the overall recycling rate of waste and the carbon emissions associated with the different disposal or recycling routes for the waste.

The Post and Porterage team based in Estates and Facilities have introduced a furniture reuse scheme whereby redundant furniture is stored until needed by other parts of the University or is donated to local community groups. Over 420 items of furniture were reused with 25 items sold.

The ITMS Directorate have also worked with our electrical waste contractors to ensure that redundant IT equipment is correctly disposed of and where possible refurbished to extend its useful lifespan. During 2022/23 over 1,300 items of IT equipment were re-purposed and sold and a further 742 items were recycled.

The total amount of waste generated in 2022/23 decreased from 549 tonnes to 500 tonnes for non-residential waste. The amount of waste that was recycled decreased slightly from 462 tonnes to 427 tonnes with over 95% of non-residential waste was recycled or composted.

OUR TARGETS

Recycling 93% of non-residential waste - 2021/22



Recycling 94% of non-residential waste - 2022/23



Our Progress



Recycled over 95% of our non-residential waste in 2022/23



CARBON EMISSIONS

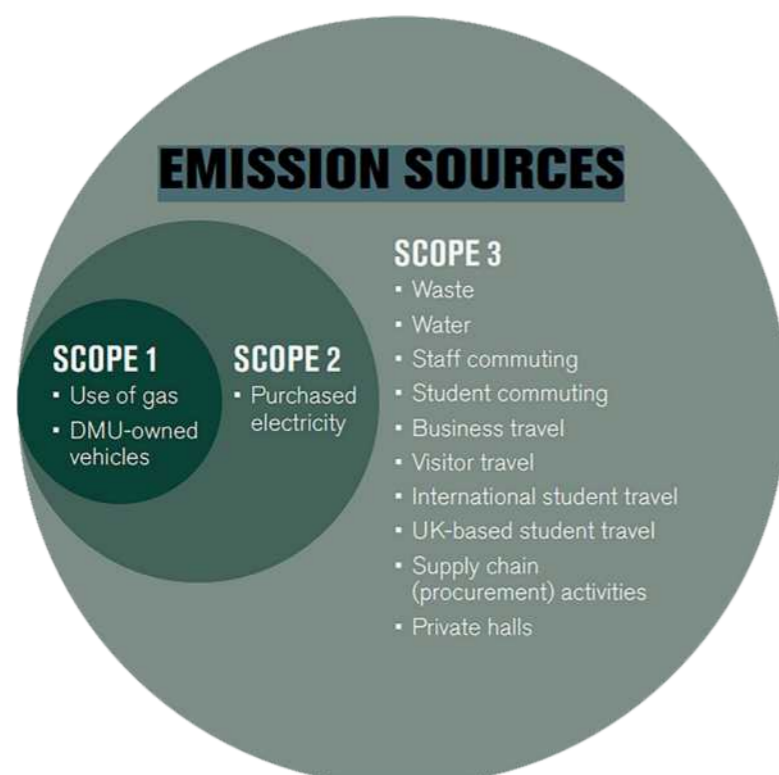
Carbon emissions from energy use and emissions from DMU owned vehicles in 2022/23 were 5,317 tCO₂e which is a reduction of 60% based on the baseline year of 2005/06.

Our Carbon Plan contains a range of different projects to improve light and heating controls as well as improving the insulation of buildings. The Carbon Plan will be reviewed in 2023/24 to identify further projects to implement to continue to reduce our carbon emissions. Carbon emissions are classified according to scopes as shown in the diagram below.

Scope 1 and 2 emissions have reduced by 60% compared to the baseline year of 2005/06 but emissions from scope 3 sources for the reporting year of 2022/23 have returned to pre-pandemic levels with scope 3 emissions being 49,086 tCO₂e.

In the scope 3 category, emissions have increased from UK and international students travelling to study at DMU, business travel and supply chains activities. This is largely due to the return to working on campus and the return to more travel for DMU business.

EMISSIONS SOURCES



OUR TARGETS

Achieve net zero emissions by 2032 for scope 1 and 2 emissions



Achieve net zero emission by 2045 for scope 3 emissions



OUR PROGRESS



Emissions from energy use and our own vehicles are 60% below our 2005 baseline year



Scope 3 emissions were 12% higher than the 2005 baseline year.





INTERNATIONAL AND UK STUDENT TRAVEL EMISSIONS

The University aims to take a comprehensive approach to measuring and reporting its carbon emissions. This includes the impact of students travelling to DMU to study including both UK students and international students.

Emissions from international students in 2022/23 were considerably higher than the previous year, having increased slightly from 14,256 tCO₂e to 17,037 tCO₂e. Emissions from these sources represent 31% of the total carbon footprint for the University. Assumptions have been made on the number of times that international students travel home during the academic year. These assumptions will be checked for accuracy in the annual travel survey.

Emissions from UK based students travelling to DMU were 592 tCO₂e which is a slight decrease on the previous year of 700 tCO₂e.





SUSTAINABLE FOOD

The University works in partnership with its catering provider, Chartwells, to ensure that sustainability is an essential part of the food provision at DMU. This includes working to reduce food waste and providing awareness raising of the environmental impact and carbon intensity of different foods.

In 2022/23 DMU and Chartwells undertook a sustainable food assessment through the Sustainable Restaurant Association, Food Made Good standard. The Food Made Good Standard is the world's largest sustainability certification tailored for the catering sector. The Standard is awarded to restaurants and food and beverage businesses that meet a set of 10 criteria focused on sourcing, society and environment.

Through the assessment DMU and Chartwells achieved two out of three stars and scored a total of 66%. DMU has also identified a space on campus for a staff and student allotment. The allotment has been moved to a new location on campus as the previous site was no longer accessible. The new home for the allotment is to the rear of the Queens Building. The allotment is open to staff and student to grow their own produce.

OUR PROGRESS

DMU and Chartwells achieved two stars in the Food Made Good sustainability assessment

Operation of a 'latte levy' which adds an additional cost for the use of a disposable cup across campus outlets





ETHICAL INVESTMENT

DMU has adopted an ethical investment policy which is reviewed on a regular basis. The ethical investment policy is part of the institutions Investment Policy. DMU works with its ethical fund managers to manage its investments in a socially responsible manner.

The University has made specific commitments about what it will and will not invest in.

As stated in the Investment Policy the University has stated that it will not invest directly or indirectly in producers of high impact fossil fuels (thermal coal, oil sands, shale oil and shale gas) and manufacturers of civilian firearms, controversial and nuclear weapons and will not invest directly and reasonably minimise indirect investments in:

- tobacco manufacturers
- adult entertainment
- alcohol
- gambling



SUSTAINABLE CONSTRUCTION

Ensuring that new buildings and refurbishments embrace sustainability principles can reduce the energy demand of buildings thereby reducing energy related carbon emissions.

Sustainable construction at DMU is guided by the University's energy policy, which includes the use of various assessment protocols depending on the size and budget of the refurbishment or new build project.

The Energy Policy states that:

'DMU aspires to create sustainable `buildings and during any new build, refurbishment, modification, infrastructure renewal or fit-out project, will consider industry recognised sustainability standards such as BREEAM and SKA HE.

The relevant standard(s) to be applied will be defined by the Director of Estates and Facilities on a case by case basis. Alternative assessment methodologies / standards such as PassivHaus, LEED or the WELL Building standard may be adopted by Estates and Facilities for a project subject to the prior agreement of the Director of Estates and Facilities.

The policy is reviewed on a regular basis.'





OUR ROLE IN THE COMMUNITY

Engagement at DMU provides support through a range of initiatives that make a positive impact. Our projects are delivered through student learning and experience, through research and engagement and through supporting projects collaboratively within DMU, the local community and beyond.

We focus on social challenges that affect our local communities and provide routes into global learning and the sharing of ideas. Whether it's community clean-up, supporting food banks or connecting your research with the community, we can match you to the right opportunity, helping you to develop your skills and gain valuable experience and insight.

We are also looking to increase the ways our students can learn and share their knowledge and skills. Through applied learning, we can help to embed practical learning into your modules and support student attainment.

The Community Challenge Fund is our flagship programme for community partners. We run two rounds of funding every academic year, with applications opening in August and October. We can award grants to support projects which benefit the community in Leicester, and provide opportunities for student engagement through volunteering and real-life-learning.

De Montfort University (DMU), University of Leicester and Loughborough University have agreed to combine skills, experience and resources to deliver joint projects supporting the local economy, arts and culture, sports and more.

This collaboration, called the Universities Partnership, has been drawn up by the universities together with a number of local authorities: Leicester City Council, Leicestershire County Council, Oadby and Wigston Borough Council, Rutland County Council, and Charnwood Borough Council.

In working with local authorities across the region in this way, the agreement is a unique collaborative approach which will help direct work carried out into projects which will provide the most benefit to the area.





BIODIVERSITY

The DMU campus is a city centre campus which presents many challenges for biodiversity, however there are still many opportunities to enhance biodiversity on the site.

Through the work of the Estates and Facilities Grounds Maintenance Team an area of campus has been identified for a wildflower meadow. Through 2022/23 the area was prepared and then planted with a mix of wildflower seeds. Through careful management and protection the area is expected to flower in 2023/24.

The University has participating in the Hedgehog Friendly Campus (HFC) initiative and is working with staff and students to undertake a series of initiatives on campus to support declining hedgehog populations. In 2022/23 DMU was awarded the Bronze and Silver standard in the HFC initiative.

The activities as part of the HFC initiative have included hedgehog surveys on campus, staff and student litter picks and promoting hedgehog conservation through the sustainableDMU social media channels. The University will continue to work on the HFC and aims to improve its award level to gold in future years.



OUR PROGRESS

- Achieved bronze and silver awards in the Hedgehog Friendly Campus initiative
- Planted a wildflower area on campus to support biodiversity



SUSTAINABILITY DATA

2022/23

GENERAL

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Student numbers	24,612	26,128	23,320	25,145	21,555
Staff numbers	3,593	3,472	2,640	2,773	3,378
Gross Internal Area (GIA) (m ²)	180,246	180,246	180,246	180,246	177,295

ENERGY AND WATER

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Energy use (*MWh)	29,628	26,782	34,294	32,622	27,363
Electricity use (MWh)	15,007	12,399	13,737	14,640	12,576
Gas use (MWh)	14,621	14,383	20,557	17,951	14,787
Water use (m ³)	87,030	58,034	30,687	60,891	68,766
Energy generated from renewables (MWh)	157	258	183	205	225
Fuel used in DMU vehicles (litres)	5,071	3,826	4,890	6,552	5,893
Residential & non-residential Gross Internal Area (GIA) with Energy Performance Certificate (EPC) rating of A-C (m ²)	161,173	168,525	177,850	145,550	164,157
% residential & non-residential GIA and EPC with display energy certificate rating A-C	89%	93%	98%	81%	93%
Energy and water costs (£'000)	£3,087	£2,858	£2,901	£4,048	£4,264

*MWh = 1000kWh



TRANSPORT

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
% Single occupancy car use (staff)	41%	39%	39%	50%	45%
% Single occupancy car use (students)	5%	7%	6%	8%	4%
% Staff travel by public transport	26%	27%	28%	20%	20%
% Staff travel by cycling	8%	9%	9%	9%	11%
% Staff travel by walking/running	16%	15%	15%	13%	17%

EDUCATION FOR SUSTAINABLE DEVELOPMENT

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
No. of module descriptions with sustainability key words		160*	132	126	197

*Keywords changed for 2019/20 generating higher than usual results. List to be amended for 2020/21

WASTE AND RECYCLING

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Total waste produced – non-residential (tonnes)	742	635	485	549	500
Waste recycled – non-residential (tonnes)	679	479	277	462	427
Waste to landfill – non-residential (tonnes)	0	0	0	0	0
Waste to Energy from Waste (tonnes)	63	46	0	0	0
Total waste produced – residential (tonnes)*	189	90	177	177	183
Waste recycled – residential (tonnes)**	74	19	37	37	36
Waste to landfill – residential (tonnes)**	55	26	56	56	74

*Produced from national dataset **Produced from Leicester City Council Waste Disposal Statistics



SUSTAINABILITY DATA

2022/23



BUSINESS TRAVEL

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Air travel (tCO ₂ e)	3,037	1,284	116	415	857
Rail travel (tCO ₂ e)	243	22	2	5	8
Maritime (tCO ₂ e)	0	0	0	0	0
Road travel (tCO ₂ e)	454	206	27	116	90
Total emissions (tCO₂e)	3,734	1,513	145	536	955

ACCOMMODATION

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Emissions from DMU owned halls of residences – reported in scope 1 & 2 emission (scope 1 & 2) (tCO ₂ e)	344	152	266	260	272
Emissions from DMU owned halls as percentage of total scope 1 and 2 emissions	5%	3%	4%	4%	5%
Emissions from all halls of residences – DMU and private halls (tCO ₂ e) scope 1, 2 and 3 emissions	4,276	2,253	3,057	2,739	3,139
Emissions from all halls of residences as percentage of total emission	8%	4%	7%	5%	5%

REUSE OF EQUIPMENT

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Surplus furniture items reused (no. of items)	-	-	-	-	425
Surplus furniture items sold (no. of items)	-	-	-	-	25
IT equipment repurposed and sold (no. of items)	-	-	-	-	1317
IT equipment recycled (no. of items)	-	-	-	-	742

GREENHOUSE GAS EMISSIONS

Indicators/metrics	2018/19	2019/20	2020/21	2021/22	2022/23
Emissions from energy and DMU owned vehicles (scope 1 & 2) (tCO ₂ e)	6,537	5,545	6,694	6,130	5,317
Emissions from staff and student commute (scope 3) (tCO ₂ e)	4,276	2,253	442	2,431	2,127
Emissions from business travel (scope 3) (tCO ₂ e)	3,734	1,513	145	536	955
Emissions from waste and water (scope 3) (tCO ₂ e)	950	638	470	615	611
Emissions from international & UK student travel (scope 3) (tCO ₂ e)	10,590	10,485	10,579	14,256	17,037
Emissions from private halls of residences (scope 3) (tCO ₂ e)*	3,458	1,711	2,791	2,739	1,979
Emissions from procurement activities (tCO ₂ e)	25,334	33,067	22,884	27,154	26,243
Emissions from all scope 3 sources (tCO ₂ e)**	48,605	49,771	37,331	47,815	49,086
Total emissions - scope 1, 2 & 3 sources (tCO₂e)**	55,142	55,316	44,026	53,945	54,403

*Additional reporting added for 2017/18, estimated from DMU halls usage

** amended due to inclusion of private halls data

GREENHOUSE GAS EMISSIONS TARGETS

Indicators/metrics	2005/06	2022/23	2020 target reduction	%change	Net zero target
Emissions from energy and DMU owned vehicles - scope 1 and 2 (tCO ₂ e)	13,217	5,317	-43%	-60%	2032
Emissions from all scope 3 sources (tCO ₂ e)	43,832	54,875	-14%	+12%	2045



TRENDS AND FUTURE AREAS OF FOCUS

Overall, the picture in relation to our sustainability performance is very good. Successes in 2022/23 includes the continued reduction of our scope 1 and 2 carbon emissions achieving a reduction of 60% compared to the baseline year of 2005/06.

We have successfully completed a sustainability assessment for our sustainable food provision achieving a two-star standard. There were also improvements in our reporting of waste through our furniture reuse scheme and through our IT disposal. DMU has continued to offer small scale sustainability grants through the SeeD Grant supporting a number of sustainability projects on and off campus.

The University has developed the Daria Project with Leicester City Council to provide free training sessions to staff and students to teach them how to ride a bicycle. There has been considerable progress in the area of ESD which reflects the interest and demand from students as shown in the findings of the NUS sustainability skills survey. The University has already signalled its focus on this area by approving a formal project to embed sustainability into teaching and learning. The Education for the Sustainable Development Goals project is led by a member of the Executive Board and is already making progress on further embedding sustainability into teaching and learning. Our focus for the next year will be on expanding our Carbon Literacy training to offer this to more staff and students and to expand that offer to our TNE partners in various parts of the world.

Following the success of the University's activities in reducing its carbon emissions the existing carbon management plan will be reviewed next year in 2023/24. The plan will identify additional projects and initiatives that can be implemented to maintain the University's trajectory to the net zero target of 2032 for emissions from energy use. In 2023/24 we will also continue to develop the wildflower areas at DMU to support biodiversity on the campus.

This report details great progress in many areas of sustainability but we will not remain complacent. There are still many areas where more work is needed and we will continue to work towards our targets and objectives and we will engage our staff and students in this process. We will continue to report our progress through report such as this annual sustainability report.



For more information about environmental and sustainability benchmarking at DMU please contact Karl Letten, Sustainability Manager:

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