

Carbon Management Plan

Path to Zero

Tackling Scope 3 emissions, 2022 - 2025

To ensure the University is firmly on the path to attaining net zero, it is necessary to both better understand our Scope 3 CO₂e emissions and plan to reduce their adverse impacts.

Reducing Scope 3 impact is difficult and often relies on others. However, through better understanding of our wider influences upon the environment and through behavioural change, reduced consumption, improving procurement and thoughtful sourcing, reducing waste, etc., the University can make a real difference.

In respect of Scope 3, and for the period 2022-2025 the University aims to:

1. Reduce operational waste – specifically non-recyclable waste, increasing the rate of recycling and increasing the emphasis on reuse.

The following are the headline targets¹ for operational waste:

- a. Reduction in general waste arising per capita (FTE staff and students) from a baseline of 78.36 kg/FTE in 2018/19 to 70.5 kg/FTE in 2025/26, resulting in at least a 10% reduction in waste generated over this period.
 - b. Ensure by 2025 that at least 70% of general waste is recycled.
 - c. Ensure by 2025 that less than 1% of general waste goes to landfill.
 - d. Calculate construction waste in 2023/24, as the baseline year, and establish recycling targets for the future.
 - e. Increase the amount of surplus goods, equipment and materials which are then reused, up-cycled and down-cycled, either internally, within the University, or by third parties.
 - Reuse at least 90% of furniture and equipment consequential from accommodation refurbishments.
 - f. Promote the use of food waste bins, and establish in 2023/24 a new baseline, and thereafter agree a reduction target.
2. Reduce mains water consumption and impact on the sewage system, work towards designing out unjustifiable water consumption in new builds and major refurbishment, ensuring soakaways are installed as opposed to discharging to the public sewer. The following targets are established:
 - a. In 2021/22 reduce water consumption by 2% compared to the pre-covid 2018/19 academic year (14,671.8 litres/FTE), per FTE students & staff.
 - b. From 2022/23, reduce water use by 2% year-on-year.
 3. Better understand the institution's impact through Scope 3 procurement and enhance upon the general HESCET measurement methodology, to produce impact values for general and specific procurement streams.

¹ Objectives for waste, recycling and reuse are set out in the [Environment Management System's Objectives and Targets](#), and publicised separately.

- a. By 2025 establish clear carbon reduction targets for procurement sub-categories.
 - b. For 2021/22 calculate and report on Electricity and Gas Scope 3 Emissions.
4. Calculate the overseas travel (University business, field trips, research, and conferences) carbon footprint for 2022/23, as baseline year. Thereafter, reduce adverse carbon impact of overseas travel each year by at least 5%, including through carbon offsetting.
5. Establish a methodology by 2023/24 for identifying and calculating CO₂e emissions associated with the travel between students' homes and the University, and report these annually.
6. Utilising the Staff Survey of 2018/19 as the baseline average, demonstrate a reduction in the number of daily journeys to campus by staff in 2022/23, and for each subsequent year.
7. Work with Local Authorities and the Students' Union to develop an Active Travel Strategy that will encompass health, wellbeing, and sustainability, supported by appropriate facilities. Develop a Pedestrian and Active Travel First Strategy on campus, investing in the campus so that the hierarchy of prioritisation changes to Pedestrian First.
8. Achieve an annual reduction in calculable Scope 3 CO₂e emissions from 2023, with a 30% reduction target set for 2030 for CO₂e impact of commuting, procurement, overseas travel, and waste.

The Sustainability Strategy Group will annually monitor this Plan and take a lead on the delivery of a net zero future.

Summary of Scope 3 categories, performance, outputs in CO2e, and targets:															
	General Waste	Construction Waste	Water Supply	Water Treatment	Staff & Student Business Travel (Car use)	Staff & Student Business Travel (Flights)	EV Vehicles (Fleet)	Staff Commuting	Student Commuting	Student Home – University Travel	Procurement	Digital Emissions Footprint	Food and Catering	Electricity & Gas Scope 3 Emissions	Total Scope 3
2018/19	15.32*	-	52.34*	86.09*	225.71*	-	-	-	-	-	27,971*	-	-	-	28,350.5
2019/20 (Covid)	11.56	-	40.66	75.86	150.82	-	-	-	-	-	30,617	-	-	-	30,895.9
2020/21 (Covid)	9.41	-	12.47	19.55	15.87	-	-	-	-	-	23,856	-	-	-	23,913.3
2021/22	15.20	-	17.89	27.44	72.79	-	-	-	-	-	23,560	-	-	-	23,693.6
2022/23						*	*			*				*	
2023/24		*						*	*						
2024/25												*	*		
2025/26															
2026/27															
2027/28															
2028/29															
2029/30															
2035/36															
Current reduction target from baseline	1.5%	-	2%	2%	2%	-	-	-	-	-	1%	-	-	-	-

* - Baseline targets created/to be created in this year

Approved by: 

Date: 29th June 2022

Professor Oliver Turnbull, Deputy Vice-Chancellor, Chair of the Sustainability Strategy Group

