

# Environmental Management System SMART Targets



## Introduction and Scope

The UON Environmental Management System (EMS) considers the environmental impacts of the institution across the estate and provides a systematic approach to planning and implementing continual improvements to its environmental performance. The system is based on the Investors in the Environment (IIE) six step process, with all University activity including teaching, research, administrative and operations under scope and is maintained by the Environment and Sustainability team, within the Estates and Campus Services department. Led by the Environment and Sustainability Manager, the Environment & Sustainability team consist of 3 additional roles including an Energy Officer, Environment Advisor, and Sustainable Travel Officer. Together, they are dedicated to developing and demonstrating a commitment to environmental management and sustainability at an institutional, local, and national level.

The University Leadership Team (ULT) have overarching accountability for the EMS and provide the strategic direction through the governance structure. The UON is committed to continually improving the environmental performance across all functions and operations and according to all legal, regulatory, and service requirements. The University recognises that our activities impact upon the local and global environment and is committed to lessening this impact through embedding sustainability across the institution.

To embed sustainability across UON, the ULT agreed a Sustainability Governance Structure. This governance structure ensures effective oversight and decision-making on strategy, performance, responsibility, and accountability.

This document complements the Investors in the Environment Environmental Management Systems (EMS) Manual providing a summary of the UONs SMART targets. Full details of targets and progress is provided in the EMS manual and end of year reports.



## Target and Performance

Performance against target in the ten measured resources, including scope 1&2 carbon footprint up until 2021/2022, progress against targets for 2022/2023 are reported at the end of the A/Y:

Resource	Target	Unit of measure					
			2018/19	2019/20	2020/21	2021/22	
Total building area (GIA)	Efficiency factor	m <sup>2</sup>	141,423	152,880	125,169	124,738	
Electricity	2% year on year reduction in consumption	MWh	11,202	10,150	9,737	8,990	
	Efficiency measure	kWh/m <sup>2</sup>	79	66	78	72	
	Consumption compared to baseline (from 22/23 previous year)				-9.4%	-13.1%	-19.7%
Gas	5% year on year reduction in consumption	MWh	11,358	12,072	7,708	6,357	
	Efficiency measure	kWh/m <sup>2</sup>	80	79	62	51	
	Consumption compared to baseline				6.3%	-32.1%	-44.0%
Biomass	Supplying a minimum of 85% of Waterside heat demand	% of total Waterside heat demand	1,994	2,458	2,241	3,453	
	Efficiency measure	kWh/m <sup>2</sup>	14	16	18	28	
	85% of Waterside heat demand				23.3%	12.4%	73.2%
Water	1% year on year reduction in consumption	m <sup>3</sup>	143,170	83,460	61,051	83,275	
	Efficiency measure	m <sup>3</sup> /m <sup>2</sup>	1.0	0.5	0.5	0.7	
	Consumption compared to baseline				-41.7%	-57.4%	-41.8%
Waste sent to landfill	No higher than 1% of total waste produced by 2030	Tonne	0	0	15.9	4.94	
	Compared to baseline					2.7%	0.7%
Waste recorded as general waste	5% Reduction in general waste	Tonne	252	172	202	231	
	Compared to baseline					-32%	-20%
Food waste recovery - non residential	5% Reduction in food waste by 2030	Tonne				82.22	
	Compared to previous year						
Commuting by single-occupancy car	20% reduction compared to baseline (up until 2023)	% of staff & students	63%	71%	37%	79%	
	Compared to baseline					13%	-41%
Carbon Footprint*	30% reduction by 2020	Tonne CO <sub>2</sub>	5,610	5,142	3,950	3,006	
	Reduction compared to baseline					-8.34%	-29.59%
Sustainable Travel	% increase in mode of sustainable travel	% of staff & students				61%	
	Compared to previous year						
Waste sent to recycling	80% recycle rate by 2030	% recycled	68%	71%	67%	68%	
	Reduction compared to baseline					4.41%	-1.47%



