

## ISO 14001 Environmental Management Objectives 2023-2024

Significant Aspect	Impact	Objective	SMART Targets
Waste Generation	Resource depletion, pollution to land and water.	Produce a waste baseline by May 2024 to better understand the current waste streams and quantities generated to: <ul style="list-style-type: none"> <li>- Manage legal compliance</li> <li>- Inform decision making</li> <li>- Promote best practice across all schools and departments.</li> </ul>	1. Implement a 6-month deep dive analysis to identify all waste streams generated and to record segregation and landfill quantities resulting from staff and student activity (excluding Construction activities) to enable production of an NTU-wide waste baseline by end of April 2024.
			2. Establish reuse schemes in collaboration with key stakeholders, measuring cost, carbon and quantity savings for 2023-24, with a focus on furniture reuse and community projects.
			3. Provide specific guidance to Estates Projects teams on waste streams types, waste hierarchy application, and waste compliance, aligning to SKA and BREEAM requirements, and track waste arisings for key construction and refurbishment projects in 2023/24
Travel & Transport	Pollution to air from staff and student travel activities.	Promote sustainable travel options to staff and students to increase their uptake and/or utilisation.	4. Promote and track utilisation of key bus service lines for staff and students commuting, including NCTX 4, NCTX 26, Stagecoach, as well as the KINTO car sharing app and the Cycle Hub, to maximise sustainable travel decision-making in 2023/24.
Energy	Use of fossil fuels and Refrigerants, Scope 1 and 2 carbon emissions.	Support the implementation of Net Zero Carbon (NZC) investment projects by monitoring and advising on their energy and carbon performance.	5. Provide specific guidance to Estates Projects teams on the energy and carbon performance of different built environment solutions, aligning to SKA and BREEAM requirements, to inform decision-making and optioneering for each NZC project.
			6. Review and input into the design specification, programme delivery, and post-operational performance for each NZC project, to ensure legal compliance, maximise opportunities to reduce operational energy and carbon emissions, and identify best practice.
Water Use	Resource depletion, Water pollution.	Produce a water baseline by May 2024 to better understand the current water-related activities to: <ul style="list-style-type: none"> <li>- Manage legal compliance</li> <li>- Inform decision making</li> <li>- Identify opportunities for improved efficiency</li> </ul>	7. Implement a 6-month deep dive analysis to identify all Estates and Schools water discharge activities, to review, obtain, and maintain all necessary permits and exemptions by end of March 2024.
			8. Investigate opportunities for improving water use efficiency in both existing and future building operations by examining water-related consumption data (e.g. water metering, BMS records, site checks, Helpdesk logs, design specifications) and identify potential solutions to minimise water use, aligning to SKA and BREEAM requirements, by end of May 2024.

Biodiversity & Green Spaces	Habitat loss, and /or, disturbance of protected species/wildlife	Map, conserve and enhance biodiversity across all NTU campuses to future-proof these against incoming BNG national legislation and continue holding Nature Positive University status	9. Map biodiversity across NTU City and Clifton campuses by producing Biodiversity Net Gain (BNG) baselines by July 2024 and utilise the baseline's outputs to inform future projects design and decision-making.
			10. Produce and provide BNG guidance for all major Estates projects and ensure that these are aligned with NTU BNG-relevant policies, plans and procedures by March 2024.
Procurement	Resource depletion, Scope 3 carbon emissions.	Monitor the environmental impact of NTU purchasing for 2023/24 to best inform procurement activity.	11. Review the 12-month Procurement work plan for 2023/24, highlighting tenders with high sustainability risks using the most appropriate tool available and maximise opportunities for sustainable purchasing options to be incorporated into those tenders identified.
			12. Ensure that 50% of non-pay NTU purchasing spend are signed up to the NTU NZC Suppliers Tool by August 2024.
			13. Upskill and raise awareness amongst NTU buyers of life cycle analysis and NTU sustainability strategic priorities (inc. carbon, waste, biodiversity) by June 2024, to enhance and influence sustainable purchasing activities going forward.
Engagement	Awareness-raising, communication and upskilling	Increase staff and student participation in environmental activities on 2022/23 levels to grow awareness and influence behaviours.	14. Track and communicate GreenRewards app data to all Schools each term, by developing School-specific leader boards including total number of new sign ups and activity impact in total amount of carbon emissions savings and total amount of cost savings.
			15. Increase staff and student awareness of NTU environmental impacts and how to manage them through targeted training and upskilling.
Environmental Incidents	Pollution of air land or water, Nuisances.	Reduce the likelihood of pollution and/or nuisance events as a result of NTU activities.	16. Review all reported incidents quarterly to identify Root Cause Analysis, areas of improvement, and trends, involving all relevant stakeholders in the process.