

**Summary of 2017/18 Objectives and Targets in relation to the significant aspects from the Environmental Aspect and Impacts Register:**

Significant Aspects	Associated Environmental Impact	Objective	SMART Target	Responsible Person / Department	Progress
* Production of waste such as clinical, construction, chemical, electrical, food waste, municipal and recyclable waste.	Waste disposal	Reduce waste to landfill and implement the waste hierarchy	50% onsite segregation of waste by end 2017/18.	Charmaine Morrell (Sustainable Development)	26% on site segregation rate. Non scheduled skip collections from Minor Works negatively affected the segregation rate. 98% diversion from landfill rate
			Benchmark hazardous waste production against the waste hierarchy by end 2017/18.	Charmaine Morrell (Sustainable Development)	Complete.
*Emissions from vehicles, management of refrigerant equipment.	Air Pollution	Reduce emissions to air which stem from NTU activities	73% non-car modal share during 2017/18.	Charmaine Morrell (Sustainable Development)	Target complete. Next NTU travel survey is due Feb 2019. It is assumed that this year the non-car modal share will have increased above 73% as the number of car parking spaces across all campuses has decreased. Target to be retained for next academic year.
			Benchmark environmental impact from international travel by end of 2017/18	Charmaine Morrell (Sustainable Development)	Complete. <b>New Target:</b> Benchmark tCO2e for student travel by the end of 2018/19.
*Use of gas and electricity for buildings and equipment.	Resource Depletion - Energy	Reduce energy consumption	Reduce Carbon emissions by 29% per FTE staff and student by 2020/21	Scott Brookes (Energy)	Complete. Target to be retained for 2018/19.
			To have a plan for the implementation of the Energy Management System ISO 50001 by end of August 2018.	Scott Brookes (Energy)	This has been reviewed and a proposal submitted for implementation to align to ISO 50001.
* Use of water in buildings. * Use of water for vehicle washing.	Resource Depletion - Water	Reduce water consumption	To benchmark water consumption across NTU by end 2017/18.	Charmaine Morrell (Sustainable Development Manager) / Scott Brookes (Energy)	Complete. <b>New Target:</b> By 2018/19 complete a water consumption audit on the 5 highest water consumption per floor area (buildings) in 2017-18.
			All new builds to have low water consumption technologies in order to gain BREEAM credit.	Charmaine Morrell (Sustainable Development)	Achieved. All live projects had low water consumption technologies installed during 2017/18. Maintain target.
* Construction on green areas / Installation of hard surfacing. * Use of pesticides / herbicides.	Biodiversity / Habitat Loss	Improve biodiversity across the estate	Achieve Green Flag Awards for Brackenhurst and Clifton Campuses for 2018.	Alan Horgan (Landscape Services) and Charmaine Morrell (Sustainable Development)	Achieved. Brackenhurst and Clifton Campuses retained Green Flag Awards for 2018. Target to be retained for next academic year.
			Achieve Green Flag Award for City Campus for 2020.	Alan Horgan (Landscape Services) and Charmaine Morrell (Sustainable Development)	On track. An action plan is in place, which should be ready to submit in January 2020. It should be noted that this target is highly ambitious as there is currently no equivalent urban green flag holder in the UK. Maintain target for next year.
* Procurement of goods across the University for cleaning, catering, maintenance, landscape services, lab supplies, office supplies.	Resource Depletion - Natural	Limit the environmental impact of NTU purchases	Reach Flexible Framework level 5 by July 2018.	Susan Brackenburg (Procurement)	Assessment undertaken in August 2018. Currently not achieving Level
			Maintain silver Food for Life catering mark for 2017/18.	Ivan Hopkins (Hospitality and Catering)	Achieved. <b>New Target:</b> 50% reduction in the amount of single use plastic used in NTU catering outlets by 2018/19.
* Noise and vibrations from construction and landscape servicing.	Nuisance	Reduce risk of statutory nuisance from NTU activities on interested parties	Zero major or minor incidents in 2017/18	Charmaine Morrell (Sustainable Development)	Achieved. No Incidents recorded. Maintain target
* Spills / Leaks from vehicles. * Spills / Leaks from the use and storage of chemicals and fuel.	Land / Water Contamination	Reduce pollution risk stemming from NTU activities			Achieved. No incidents recorded. Maintain target

For further information on EcoCampus and/or ISO 14001 please contact NTU's Sustainable Development Manager Charmaine Morrell

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