

2020/21 Draft Environmental Objectives

The University of Lincoln's Environmental Management System (EMS) aims to provide structure for the management of environmental impact.

As part of the EMS, the University's most significant areas (aspects) of interaction with the environment have been identified, as well as the ways in which we impact it. These Aspects and Impacts, along with the related assessment of our compliance obligations and environmental risks and opportunities, provide an informed framework for setting our environmental aims and objectives.

Our objectives are split into the following categories:

1. Emissions to air (including refrigerants)
2. Pollution prevention (including management of hazardous substances)
3. Energy use
4. Sustainable Transport
5. Waste management
6. Water management
7. Construction
8. Biodiversity
9. Sustainable Procurement
10. Education for sustainable development

This document summarizes the environmental aims and objectives set to mitigate environmental impact, find opportunities for environmental enhancement and to ensure continual improvement of the EMS.

For further detail on the performance KPIs, specific actions and person responsible for the delivery of each target, please refer to the 2020/21 Environmental objectives, actions and performance log, within the EMS documentation.

Proposed Objectives and Key Actions for 2020/21

1. Emissions to air (including refrigerants)		
Objective	Target for 2020/21	Target date of completion
a. Reduce absolute carbon emissions in line with Climate Science	To develop a post-2020 carbon management strategy and achieve sign-off by SLT for a carbon neutral target.	April 2021
b. Identify and deliver a heating solution for the Rural Science Centre (subject to funding)	To have delivered a project at the Rural Science Centre, which achieves a reduction in carbon emissions associated with the heating of the building.	July 2021
c. Maintain boilers and assess their efficiency to identify improvements	Review efficiency of the boilers on the Estate with a view to improving their efficiency	July 2021
d. Ensure assets containing F-gases are maintained and losses are documented	To deliver regular programme of planned works and documentation is correctly maintained to record losses.	March 2021

2. Pollution Prevention (including management of hazardous substances)

Objective	Target for 2020/21	Target date of completion
a. Reduce risk of spills entering water courses and causing pollution	Mark drains as being FW or SW, to increase awareness and ensure appropriate response to spills/leaks.	July 2021
	Continue to roll out spill response training to key staff and test procedure.	July 2021

3. Energy Use

Objective	Target for 2020/21	Target date of completion
a. Reduce Energy Consumption across the estate as it continues to grow (objective detailed in ISO 50001 objectives)	Reduce total kWh consumption of gas and electricity in 2020/21 per m ² of the estate (from 2018/19).	July 2021
b. Optimise Building Management System to improve efficiency of HVAC systems and operation		July 2021
c. Integrate energy efficiency measures in new developments on campus	Deliver programme of energy efficiency upgrade works, using carbon management fund and Salix fund, to improve kWh per m ² energy efficiency on campus each year.	July 2021

4. Sustainable Transport

Objective	Target for 2020/21	Target date of completion
a. Reduce single-occupancy car use by staff and increase uptake of low carbon modes of travel for staff	Reduce single-occupancy car use by staff and students by 10% by 2021 travel survey (compared with 2019 results).	November 2021
b. Improve sustainable travel infrastructure on Estates, to facilitate staff to take low carbon travel options for their commute	Install locked cycling compounds at Brayford and improve management of car parks to encourage more sustainable travel. - Install new cycling compounds and look to implement AMPR by 2021/22.	July 2022
c. Measure and reduce carbon emissions associated with business travel	Establish clear policy on business travel, prohibiting domestic air travel and encouraging more sustainable options if travel required.	July 2021
d. Reduction in on-campus travel by facilities management contractors	Improve on remote visibility of our systems reduce engineers coming on site.	July 2021

	For 2021/22, additional remote sensors to be installed to enable remote maintenance work.	
e. Improving walking / cycling infrastructure in the city	Work with outside organisations to develop policies and improvements across the City of Lincoln. Regularly consult with Lincoln County Council to ensure efforts to improve sustainable travel infrastructure are aligned.	July 2021

5. Waste management

Objective	Target for 2020/21	Target date of completion
a. Reduce amount of waste in general waste stream (resulting in incineration as part of zero waste to landfill contract)	Reduce total amount of waste produced, compared with 2019/20, based on internal GIA (m ²).	July 2021
	Increase percentage of waste recycled from all buildings from 2019/20	July 2021
	To reduce the amount of paper used for printing by 50% in 2020/21, against a baseline of 2018/19 (pre-Covid).	July 2021
b. Comply with hazardous, clinical and WEEE waste regulations	Develop central process for management of WEEE waste, to ensure compliance and understanding of legal requirements.	July 2021
c. Comply with Nitrogen Volatile Zones, regarding organic waste at Riseholme	Ensure Manure Management Strategy is updated for Riseholme Campus on an annual basis and followed accordingly.	January 2021

6. Water management

Objective	Target for 2020/21	Target date of completion
Improve monitoring and measurement of water consumption across University Estate	Measure water consumption for 20/21 and include in scope 3 (indirect) carbon emission report for 20/21	September 2021
Reduce water consumption	Reduce water consumption by 3% from 2018/19 to 2020/21 (due to Covid-19 skewing data for 2019/20)	July 2021

7. Construction

Objective	Target for 2020/21	Target date of completion
a. Improve sustainability of future construction projects	Achieve an EPC rating of A and a DEC rating of A for the new Medical School Building post-completion.	March 2021
	Achieve sign-off for the Sustainable Construction Guidelines, which should be provided to all developers and construction	March 2021

	contractors to steer requirements for new build projects.	
b. Ensure new buildings achieve targeted energy efficiency performance	Ensure all new projects in 2020/21 follow a soft landings approach and have a post-occupancy evaluation, to include energy use.	July 2021

8. Biodiversity		
Objective	Target for 2020/21	Target date of completion
a. Enhance biodiversity on Brayford Campus	Develop a landscape management plan for Brayford Campus that includes initiatives to improve biodiversity.	July 2021
b. Measure and enhance the carbon sequestration value of the Riseholme Farm	Calculate the carbon footprint of the Riseholme Farm, including carbon sequestration value and opportunities to increase this ecosystem service through altered land management practices	April 2021

9. Procurement		
Objective	Target for 2020/21	Target date of completion
a. Sustainability considered as part of relevant procurement events	<p>Establish a structured process for measuring that relevant tenders have included sustainability as part of the evaluation process.</p> <p>Assign risk rating to contracts, ensuring that those with high impact have included Sustainability within evaluation.</p>	July 2021

10. Education for Sustainable Development		
Objective	Target for 2020/21	Target date of completion
a. Support the integration of sustainability within course content	Deliver at least three of the live Sustainability Project Briefs in collaboration with module leaders in 2020/21.	July 2021
b. Offer sustainability-related student volunteering and employment opportunities	Increase the number of student volunteers involved in sustainability projects on campus, from 2019/20.	July 2021
c. Staff training	Deliver targeted sustainability training to specific groups of staff (e.g. budget holders and academic forums), to empower them to consider sustainability as part of their role and decision-making, where appropriate.	July 2021