Sheffield Hallam University

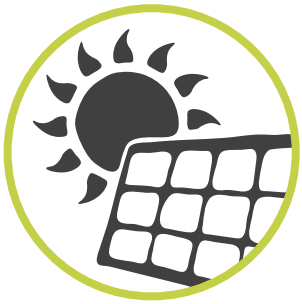
Environmental Plan *2017-2020*

Environmental *policy commitments*

The University will:

MANAGEMENT SYSTEMS AND COMPLIANCE

Maintain externally accredited ISO 14001:2015 and ISO 50001:2011 standards to ensure environmental and energy management is embedded across the organisation. Ensure compliance with all relevant legislation and non-statutory regulatory environmental requirements.



ENERGY MANAGEMENT

Reduce building energy use and aim to achieve carbon emissions reduction targets and realise cost savings.

WATER MANAGEMENT

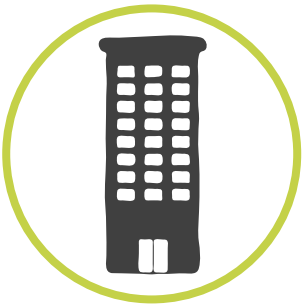
Reduce the water consumption of the estate, and associated costs.

TRANSPORT MANAGEMENT

Minimise the environmental impacts of its fleet, business travel and staff commute to work.

WASTE MANAGEMENT

Successfully apply the principles of the waste hierarchy (prevent, reduce, reuse, recycle, dispose) to its activities.



SUSTAINABLE BUILDINGS

Improve the sustainability standards of new buildings and refurbishments, considering the environmental impacts during construction and occupation.

SUSTAINABLE PROCUREMENT

Have due regard to the social, economic and environmental impacts of its purchases, particularly the whole life costs and use of resources through the purchase of goods and provision of services.

GREEN INFRASTRUCTURE

Review and increase levels of green infrastructure across the estate and promote its benefits to staff, students, visitors and local communities.

Introduction

Sheffield Hallam University is one of the largest universities in the UK. We welcome around 30,000 students every year, studying everything from fine art to engineering, architecture to nursing. Our learners are supported by more than 4,000 academic and professional services staff, making us one of the biggest employers in the city. This large and diverse community is spread across two main campuses as well as a number of smaller sites around Sheffield.

Given the size and scope of what we do we recognise that we have a responsibility, for the sake of current and future generations, to ensure our activities do not have unnecessary and detrimental consequences for the environment. At Sheffield Hallam we are committed to reducing environmental impacts across the organisation and ensuring that sustainability is embedded throughout our business.

Our environmental policy established our commitments in eight key areas; these have been identified as our most environmentally significant impacts through regular audits and monitoring. This plan sets out how we will deliver these commitments by providing objectives and targets for each policy area.

All targets (key performance indicators) are set against a 2005 baseline. We will monitor progress against targets each year and share this in our annual report, ahead of a full review of the plan in 2020.

Management systems *and compliance*

The University has been externally accredited to both the ISO 14001 (environment) and ISO 50001 (energy) management systems since 2011. In August 2016 we became one of the first universities in the UK to be certified to the 2015 version of ISO 14001, demonstrating our ongoing commitment to continuous environmental improvements and legal compliance.

We use the ISO 14001 and 50001 management systems as the framework by which we manage, monitor and improve environmental performance across all our activities.

We will deliver our management systems by:

- maintaining ISO 14001 and ISO 50001 accreditations.
- further integrating and aligning the systems to provide a framework to manage and reduce our significant environmental and energy impacts from activities across the whole University.

We will demonstrate success by:

- achieving recertification to ISO 14001:2015 and ISO 50001:2011 in 2017-18.
- maintaining both standards to 2020.

Transport *management*

The University's impacts from transport are as a result of its fleet, business travel and staff commute.

Transport management is key to improving air quality and reducing congestion in Sheffield, as well as decreasing the associated costs and carbon emissions.

We will reduce carbon emissions from transport by:

- identifying and implementing improvements to our fleet that will reduce emissions from fleet fuel usage. This includes the introduction of electric vehicles, hydrogen vehicle trials, ongoing driver training and vehicle maintenance checks to improve efficiencies.
- reviewing the baseline data for business travel and developing a target and action plan to reduce our environmental impacts.
- continuing an ongoing awareness and behaviour change campaign to highlight sustainable travel options for the staff commute and encouraging staff to travel sustainably.

These three areas are currently addressed separately but will be incorporated into a travel plan for the University.

We will demonstrate success by:

- reducing carbon emissions from fleet fuel usage by 25% by 2020.
- reducing single occupancy vehicle use for the staff commute to work to 25% by 2020.
- developing an action plan to address carbon emissions arising from business travel by 2017-18.

Energy *management*

Energy use is the most significant impact arising from the University's operations.

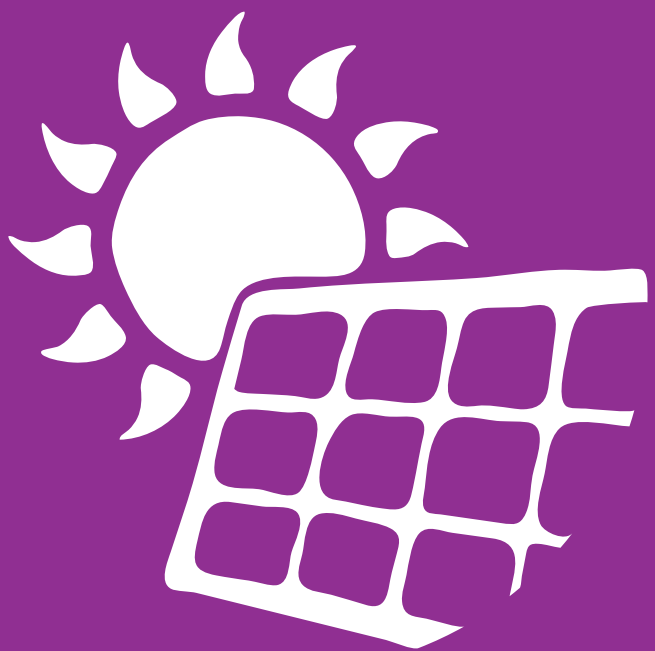
Management of energy is key to realising cost savings and meeting carbon reduction targets. ISO 50001 provides the framework for energy management.

We will reduce our energy use by:

- implementing an Energy Investment Plan, aligned to our Estates Masterplan, which focuses on reducing building energy use through controls and innovative energy saving measures.
- identifying and implementing opportunities to reduce the energy used by our information technology systems.

We will demonstrate success by:

- reducing carbon emissions arising from non-residential building energy use (electricity, gas and district heating) by floor area by 30% by 2020.



Water *management*

Water management is key to ensuring we only use what we need, and to reducing costs and greenhouse gas emissions associated with supply and treatment.

We will reduce our water use by:

- auditing our existing estate and implementing practical conservation measures.
- investing in water saving measures which will be incorporated into new buildings and refurbishments, in line with agreed environmental standards.
- developing an investment pipeline of water saving projects for the estate.

We will demonstrate success by:

- **reducing non-residential water consumption by floor area by 15% by 2020.**

Waste *management*

The University is committed to being a zero waste to landfill university, and to successfully applying the principles of the waste hierarchy to its activities (prevent, reduce, reuse, recycle, dispose).

Management of waste reduces operational costs and associated environmental impacts. The University works in partnership with its waste contractor to constantly review opportunities to manage our waste better.

We will continue to manage our waste by:

- working to address waste segregation and improve recycling rates at the University, supported by behaviour change campaigns aimed at staff and students.
- maintaining our zero waste to landfill status.
- addressing the amount of non-residential waste generated (excluding construction-related activities) by floor area.

We will demonstrate success by:

- reducing non-residential waste by floor area by 40% by 2020.
- delivering the target of 25% of non-residential waste to be recycled by 2020.

Healthy and *sustainable buildings*

The University's changing estate provides the biggest opportunity to influence ongoing operating costs, carbon emissions and the staff and student experience.

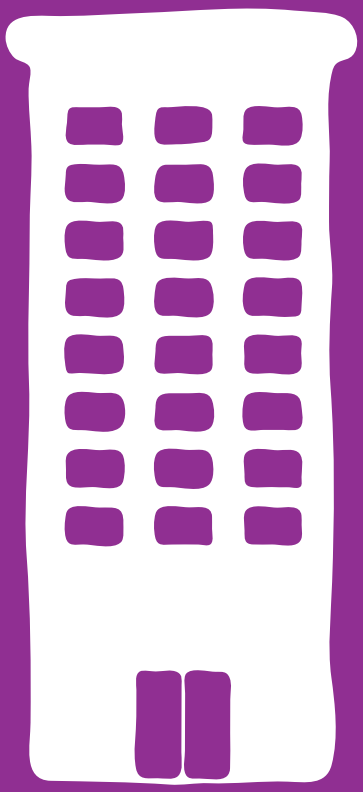
New buildings and refurbishments designed sustainably and using a life cycle approach will ensure reduced environmental impacts during construction and throughout occupation. Healthy buildings will improve the wellbeing of occupants, increasing productivity and attendance.

We will improve the sustainability of our buildings by:

- establishing sustainability targets for all new buildings and refurbishments to ensure the benefits of sustainable design are realised.
- utilising the applicable elements of the WELL building standard to improve the wellbeing of occupants in new spaces.
- incorporating sustainability targets and an approach to occupant wellbeing within the Estates Masterplan, and providing the framework for delivery.

We will demonstrate success by:

- achieving the BREEAM Excellent standard for new buildings.
- achieving the SKA Gold standard for refurbishments.



Sustainable *procurement*

The University is a large consumer of goods, works and services and contributes significantly to the economy in the Sheffield City Region.

The way we procure items and spend our money can make a big difference to improving the sustainability of our organisation, with wider impacts on our supply chain.

We will deliver sustainable procurement by:

- identifying a performance baseline against a number of indicators arising from our new procurement strategy, and implementing an action plan to achieve the outcomes within the strategy.
- embedding sustainability and social value into University procurement processes.
- achieving a recognised ethical procurement accreditation.

We will demonstrate success by:

- measuring and increasing sustainable procurement levels.
- maintaining Fairtrade accreditation.
- developing an action plan to achieve the outcomes of the procurement strategy for 2017-18.

Green *infrastructure*

The University recognises the economic and health benefits of green infrastructure, and the varying amounts that exist across its estate.

The potential to retrofit the estate to incorporate more green space and, in turn, increase levels of biodiversity, is great.

We will improve our green infrastructure by:

- identifying the green infrastructure baseline of our estate and developing an action plan for delivery which clearly demonstrates the benefits to be realised.
- reviewing and improving the green infrastructure on popular student routes into the city and between campuses.

We will demonstrate success by:

- measuring and increasing levels of green infrastructure and developing an action plan for 2017-18.

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Approved by	Professor Chris Husbands Vice-Chancellor, Sheffield Hallam University

Contact us

Sustainability team
Facilities Directorate
Sheffield Hallam University
Howard Street
Sheffield S1 1WB

www.shu.ac.uk/university/overview/sustainability/

environment@shu.ac.uk

www.twitter.com/SustainableSHU

bsi. ISO 14001 Environmental Management
Certification No: 571573

bsi. ISO 50001 Energy Management
Certification No: 574503