

Job Description



General Details	
Job title:	Sustainability Engineer
School/Service:	Estates & Commercial Services
Normal Work base:	Stoke Campus
Tenure:	Permanent
Hours/FTE:	Full-Time, 37 hours per week /1.0 FTE
Grade/Salary:	Grade 8
Date Prepared:	January 2021

Job Purpose
<p>As part of the University's strategic goals around environmental sustainability, to be the University's main technical advisor in achieving Carbon Net Zero campuses by 2030. The role will provide advice, guidance and evidence to support decision-making across the wider University. As a key member of the Estates Team, the role will provide technical and environmental input into a wide variety of projects and initiatives, working with both in-house teams and external consultants.</p> <p>The role will also provide strategic advice and support to the University on a range of broader sustainability issues working with colleagues from both within Estates and the wider University community.</p> <p>The role demands a good understanding of engineering and sustainability issues in relation to the latest technologies in design, renewable energy, selection of materials and embedded carbon.</p> <p>The role will also provide technical advice on sustainability issues to the wider team on other related Estates matters including building maintenance, energy usage, recycling and BEM systems. The postholder will also work with colleagues from the Procurement Team to support Schools and Services to become more aware and self-reliant in terms of making good decisions around environmental sustainability by, where appropriate, providing the evidence base, training and support for key decisions.</p> <p>The role will also have oversight and management of energy use of the various University buildings to ensure maximum reduction in carbon and buildings are management in the most energy efficient way.</p>

Relationships	
Reporting to:	Head of Projects
Responsible for:	No direct reports

Main Activities

- Creating and maintaining a strategy and roadmap to achieve Carbon Net Zero (CNZ) campuses by 2030 at the latest.
- Developing and maintaining a sustainable construction strategy for high performance, low impact buildings to be used as a framework for development within the Estates Masterplan.
- Developing and maintaining a framework for decision-making for all new build and refurbishment projects, setting out minimum standards and potential enhancements, covering choices of materials, construction methods, energy management, and all other relevant factors.
- Identifying applicable external 'badges' and standards for development/University adoption (e.g. BREEAM) and incorporating these into the development framework; creating action plans with other colleagues for their achievement.
- Collecting and collating qualitative and quantitative data to help communicate and support sustainable engineering designs and solutions.
- Providing technical and environmental input into all new build and refurbishment projects, working with both the in-house team and external consultants including carrying out whole life costing exercises on all new projects to support investment decisions. Monitoring live projects to ensure that they will achieve their sustainability objectives.
- Developing and maintaining a plan to increase biodiversity on the campuses, incorporating an increased level of planting into new schemes which will encourage biodiversity.
- Developing and maintaining a plan for planting trees in order to use off-setting as a significant component in the University's CNZ plans.
- Developing an energy efficiency strategy and plan for each campus, based on regular surveys of existing buildings and the potential to make improvements.
- Providing oversight and management of energy use of the various University buildings to ensure maximum reduction in carbon and buildings are managed in the most energy efficient way. Monitoring expenditure on energy and providing updates and reports on performance and targets.
- Monitor European and UK legislation, tracking current and emerging technical and energy management options for improving performance and incorporating this into the Estates Masterplan.
- Developing and maintaining a plan and working with external partners and internal colleagues to increase the percentage of energy derived from renewable sources.
- Identifying and applying for relevant external funding to accelerate or enhance the University's CNZ plans.
- Establishing and maintaining external networks in order to identify best practice in comparable large estates to ensure that appropriate solutions are identified that can be implemented in the University context.
- Supporting the utilities procurement process – working with the Assistant Director of Estates and the University Procurement team.
- Advising the facilities management and catering teams to provide environmentally sustainable services including providing an evidence base for projects and other decisions.
- Working with the Procurement team to support Schools and Services in selecting environmentally sustainable goods and services and maintaining the Environmental Sustainability Impact Assessment template.
- Working with colleagues within the Schools where the University has expertise in environmental sustainability issues, e.g. biodiversity, renewable energy sources, to allow student projects and other

research projects to take place on the campus as part of CNZ plans.

- Developing and monitoring relevant KPIs, using them to inform and refresh plans on an annual basis, including energy efficiency.
- Monitoring external developments and networking externally both within the HE sectors and in the wider sustainability community. Identifying and pre-empting problems that will face the University in the development and the maintenance of the Estate due to new environmental and corporate social responsibility legislation.
- Working with the Comms team to provide content for the University's website and internal and external news services.
- The role holder is required to minimise environmental impact in the performance of their role and to actively contribute to the delivery of the University's Environmental Sustainability Policy.
- To undertake other such responsibilities as may reasonably be required.

Special Conditions

The role holder will be required to travel between sites from time to time in a cost-effective manner, which may be through the use of a car.

To be committed to working with the University to address environmental sustainability issues in all of its activities.

Variation to Job Description

Staffordshire University reserves the right to vary the duties and responsibilities of its employees within the general conditions of the Scheme of pay and conditions and employment related matters. Thus, it must be appreciated that the duties and responsibilities outlined above may be altered as the changing needs of the service may require.

Conditions of Service

The post is subject to such terms and conditions of employment as negotiated between the Board of Governors of the University and the recognised trade unions, and/or the employees of the University. In negotiating such terms and conditions the Board of Governors will consider any appropriate advice received from the Universities and Colleges Employers Association (UCEA).

Informal Discussion

Should you wish to discuss this vacancy informally before making an application please contact:

Peter Hay; Assistant Director of Estates & Commercial Services, on Telephone: 01782 293838 or email: peter.hay@staffs.ac.uk

Application Procedure

We encourage you to apply on-line at our website <http://jobs.staffs.ac.uk> as the system is user friendly and simple to complete.

We would ask all applicants to ensure that they have provided comprehensive information under each criterion in the Supporting Statements section of the application form and, if necessary, add any relevant additional information in the Additional Information Section.

