

Building, Land and Estate Strategy Sub-committee

ENERGY MANAGEMENT POLICY

FORWARD

The University recognises that the consumption of fossil fuels has a negative environmental impact from the emissions of carbon dioxide (CO₂) and the depletion of non-renewable resources.

In addition, at £1.4 million energy utilities (gas, electricity and oil) are also a significant overhead within the University.

We are therefore committed to managing energy as both a social and commercial imperative.

CORPORATE OBJECTIVE

- Reduce emissions of CO₂ by 10% per student by 2009

CORPORATE TARGET

- To reduce annual emissions of CO₂ by 2% per student

RESPONSIBILITIES

Corporate responsibility for managing energy as a resource is delegated to:

- Buildings, Land & Estates Sub-Committee - Accountable to the Senate and Council for the maintenance of this policy
- Environmental Strategy Group – Responsible for setting, managing and reviewing energy performance targets
- Environmental Manager – Responsible for energy procurement, monitoring and targeting energy savings, maintaining a programme of energy saving measures, raising energy awareness and corporate wide energy monitoring and reporting
- Estates & Facilities Administration – Responsible for energy invoice validation
- Maintenance Officers – Responsible for monitoring energy consumption
- All University staff and students – Responsible for using energy efficiently

POLICY STATEMENT

In order to achieve our long term objective and annual target the University will:

Energy Procurement

- Endeavour to procure energy from green, clean or renewable sources

Energy Management

- Monitor and Target energy savings for individual buildings
- Maintain registers of significant energy consuming equipment (boilers, refrigeration, air conditioning)
- Conduct Building Energy Audits to identify and quantify potential energy saving measures
- Develop an annual programme of energy saving measures justified by projected financial savings
- Set energy minimisation or reduction targets within contracts of companies operating within University premises

Energy Budget

- Set and track annual energy budgets
- Strive to allocate additional investment in energy efficient measures wherever there is a medium term payback (3-7 years)
- Reinvest 50% of any annual energy savings into further energy saving initiatives
- Recharge energy costs to companies operating within University premises
- Recharge energy costs to private functions within University premises

New Developments / Major Refurbishment Works

- Appraise the life-time energy costs and savings of all new-build and refurbishment works
- Consider energy efficient design in all new build and major refurbishment works

Space Heating

- Endeavour to maintain a space temperature of 19 to 21°C in all academic buildings
- Endeavour to maintain a space temperature of 21 to 23°C in all residential buildings
- In general avoid the use of comfort air conditioning wherever possible
- Prohibit the use personal electric heating devices without the authorisation of the Estates & Facilities Department

Equipment Specification and Use

- Assess life time energy costs for all 'white good' equipment purchases and specify an energy rating of 'C' or better
- Specify low energy appliances wherever possible giving satisfactory life time financial payback
- Replace T12 lighting with T8 lighting on expiry

Energy Awareness

- Market the value of energy efficiency and good energy performance across the University
- Provide energy management training to staff who are critical in the process of managing energy consumption within the University
- Maintain a programme of staff and student energy awareness and regular publicity campaigns targeting improvements in good energy housekeeping

Energy Monitoring and Reporting

- Monitor significant energy meters on a weekly schedule
- Monitor non-significant energy meters on a monthly schedule
- Investigate any significant anomalies in monthly building energy consumption
- Review energy performance annually for progress towards meeting our objective and targets
- Report annual energy consumption to all academic schools, departments and senior management
- Benchmark energy consumption with other higher education institutions