

## Renewable Energy Policy

### What's this policy about?

This policy is about how we will consider using a range of technologies for the production of renewable energy on our Campus.

### What do I need to know?

We will consider investing in a wide range of technologies for the production of renewable energy on our campus providing that:

- there is no significant impacts on the environment
- they are feasible and will benefit the College community
- they will provide an opportunity to reduce our carbon emissions
- the investment provides value for money for the College.

We expect estates and all contractors and their sub-contractors to follow this policy.

### What do I need to do?

**You will need to ensure that there is no significant impact on the environment.**

All proposals will need to consider the impacts of the associated infrastructure required: including road and grid connections and the environmental impacts during construction and post construction operational phases of the development to include:

- ozone depletion potential
- noise
- nuisance
- land pollution
- air pollution
- water pollution
- visual impact
- use of natural resources
- global warming potential
- energy consumption
- ecology

**You will need to ensure that the proposed renewable technologies to be used are feasible and that they are beneficial to the College community.**

The design or layout of a building should minimise the energy requirements of the occupants, reducing energy resources and minimising greenhouse gas emissions produced through the burning of fossil fuels. A wide range of renewable technologies should be considered during the pre-construction phase prior to their installation. The selection should be based on the mix of feasible

technologies that can achieve the greatest reduction in CO<sub>2</sub>. Sources of renewable energy that should be considered are:

- Solar Water Heating and Photovoltaic's
- Heat Pump - Ground Source/Water/Air Source
- Combined Heat and Power (CHP)
- Wind Power
- Biomass
- Energy Efficient Boilers

If you are required to upgrade or install an energy supply, ensure that you received the correct permission and notified all the necessary parties.

**You will need to ensure that the proposed installation of renewable technologies will provide us with an opportunity to reduce our carbon emissions.**

An assessment of the potential energy savings and carbon savings should be undertaken. This will enable us to ensure that the installation of renewable technologies will enable us to reduce our emissions.

**You will need to ensure that the investment in these renewable technologies provides value for money for the College.**

An assessment of the costs and benefits will need to be undertaken. This should include:

- the predicted electricity or gas savings
- CO<sub>2</sub> savings (in tonnes per annum)
- financial savings to include an assessment of the Renewable Heat Incentive and Feed in Tariffs
- predicted maintenance costs per annum
- net financial savings
- capital costs
- any contingency costs as appropriate
- VAT
- annum and lifetime CO<sub>2</sub> payback periods

## Document Control

**Prepared By:**  
Anna Kosteletos  
Energy and Sustainability  
Manager

**Approved By:**  
Stephen Bland  
Director of Estates

**Authorised By:**  
Simon Higman  
Registrar and Director of  
Operations