

Rooftop / Campus Solar Farm

- **1.21** MW solar array installed over various buildings on Campus
- Generating **1,235,000** kWh of renewable energy per annum
- Carbon savings of **260** tonnes per annum
- **7%** reduction in University carbon emissions

Aims of proposal

The redevelopment of the site will provide;

1. Production of low carbon source of electricity
2. The best and most efficient use of space on buildings
3. Absence of harm to visual amenity

Analysis

A site analysis exercise was undertaken as part of the design process. This informed the proposals by identifying key features and characteristics of the site and its surroundings together with constraints and opportunities.

Constraints

1. Heritage impacts
2. Potential for impact on Wilberforce Car Park

Opportunities

1. Guaranteed production of low carbon source of electricity without the reliance on the national grid

Key Determining Issues:

- Principle of Development

- Impact on heritage assets

The proposals intend to install Solar PV panels upon several buildings and areas within the campus, including upon the Grade II Listed Sports Hall building.

As mentioned above the proposals will allow the University to increase its self-sufficiency in renewable energy and thereby cut its financial energy burden as well as its carbon footprint. This will, in turn allow the University to further reduce its environmental impact as included in the University's aspirations.

Areas for development

1. Brynmor Jones Library
2. Wilberforce Building
3. Wilberforce Car Park
4. Allam Sports Centre
5. Sports Health and Exercise Science Building
6. Sports Hall (Grade II Listed Building)

Heritage

There are no adverse design implications with the proposal, a Heritage Statement clearly identifies the absence of any harm on designated heritage assets. Every effort has been made to ensure that the panels are as unobtrusive as possible and they have been arranged in a manner to ensure that they operate as efficiently as possible.

Biodiversity

The nature of the proposal combined with the characteristics of the site means that there would be no adverse impact on areas or species of ecological significance.