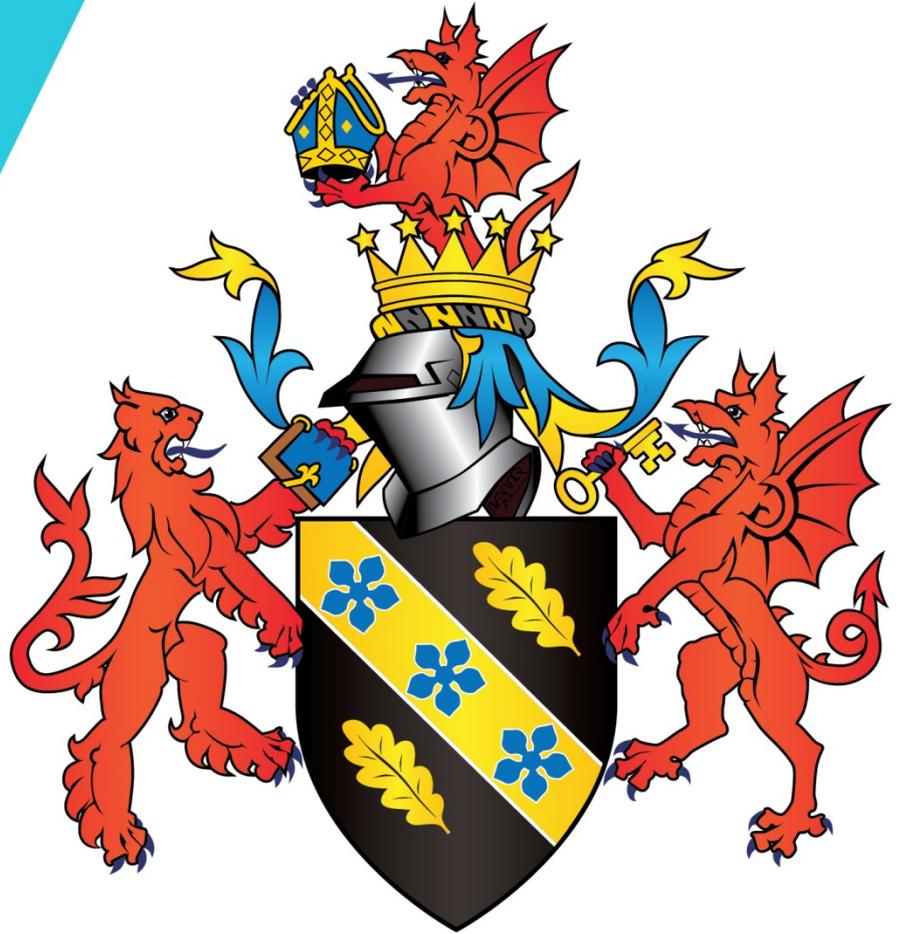




Prifysgol Cymru  
Y Drindod Dewi Sant  
University of Wales  
Trinity Saint David



# Carbon Management Action Plan





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## **1. Background**

1.1 The University is committed as part of its strategic plan for 2013-17 to embedding sustainability as a core principle. Within UWTSD's Sustainability Strategy, it is specifically committed to implementing a University wide Carbon Management Plan to reduce its Carbon footprint in line with targets set by HEFCW.

1.2 Further in July 2014, the University adopted a Carbon Management Strategy to explicitly show its commitment to and outline plan for managing and reducing its carbon emissions. The high level objectives of the Strategy are to achieve as a minimum the required 3% reduction per year in carbon emissions over the 8 year period of the strategy from the 2012/13 baseline, in line with the Welsh Government's commitments. This equates to:-

- a 6% reduction by 2014/15
- a 14% reduction by 2017/18
- a 21% reduction by 2020/21

1.3 However, whilst the above provided an outline plan, in order to ensure the University is best placed to meet the targets and in fulfilment of the criteria of the People and Planet Green League, which forms one of the Strategic performance indicators of the University's progress in relation Sustainability, a more detailed action plan is required.

1.4 The carbon reduction agenda has become increasingly important in terms of being increasingly reflected in both recent legislative and fiscal UK policy. Further pragmatically, there is a need to manage carbon emissions to reduce the University's environmental impacts, and reduce its operational costs, as well as to maintain and enhance its reputation in this field.

## **2. Purpose**

2.1 The purpose of this report is to outline a Carbon Management Action Plan which provides the details of the steps proposed to measure, reduce and monitor the University of Wales Trinity Saint David carbon footprint. It identifies the major opportunities to reduce the University's carbon emissions through improvements to its infrastructure and by engaging the University's stakeholders to change working practices. This plan is therefore, designed to ensure that the policies, procedures and delivery methods for carbon reduction are embedded in whole way in which the University operates.

2.2 The base document from which the Action Plan has been produced is the Carbon Management Review produced by Briar Associates under the remit of the



Carbon Trust early in 2014, the summary findings of which were referred to in the Carbon Management Strategy

### **3. Carbon Management Action Plan**

- 3.1 The Action Plan proposed is attached at Appendix A. The action areas identified for carbon reduction fall within the following broad categories:-
- a. Implementing a Monitoring Programme to ensure accurate monitoring of energy use, and water use through the provision and use of an Energy Management System enabled by an appropriate software package.
  - b. Building Improvements, which include:-
    - (i) Installation of more energy efficient controls linked to a comprehensive Building Energy Management System (BEMS)
    - (ii) Replacement of boiler plants with energy efficient systems
    - (iii) Lighting upgrades and installation of lighting controls
    - (iv) SMART Metering of utilities
    - (v) Water Saving Conservation Measures
    - (vi) Assessing the viability of further Solar PV installations at Carmarthen and Lampeter Campuses
  - c. Campaigns to promote behavioural change, which include:-
    - (i) Introduction and implementation of an Energy/Carbon awareness programme/campaign
    - (ii) NUS Blackout (switching off all non-essential equipment) which is proposed to be extended to occur on a more frequent basis
    - (iii) Implement an IT/Computer Shutdown Programme
    - (iv) Introduction and adoption of procedures for efficient operation of Heating Controls (for Key Personnel)

### **4. Monitoring**

4.1 To effectively manage the Plan, it is important that the University has in place monitoring mechanisms in respect of all factors that affect the University's carbon footprint. Such monitoring data is crucial in enabling the success of the plan to be accurately evaluated and further developed. Hence the acquisition of the Energy Management System to enable this, is regarded as a top priority.

4.2 Further to ensure that the work is effectively directed and controlled, the appropriate resources are allocated and decision making clear, the Action plan is supported by the recently created Carbon Management Project Task Group, with the newly appointed Principal Carbon Reduction Officer acting as overall Project co-ordinator.



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4.2 Whilst the University is required to report on its carbon emissions on an annual basis, given the importance of this agenda, it is proposed that quarterly reports be made available to senior managers across the various Faculties to raise awareness and to seek their support for this work. Further, it is proposed to report regularly to the Sustainability Committee and to the Departmental Environmental Management Committee. It is also proposed that the Action plan be reviewed on an annual basis.

## **5. Recommendation**

5.1 It is recommended that the Sustainability Committee endorse that Carbon Management Action Plan and agree to receive regular reports on its progress.

## **6. Links to other policies / procedures**

Sustainability Strategy Plan 2013-17

UWTSD Carbon Management Strategy July 2014



## 7. Resource Implications

Implication	Detail
Finance	<i>There is limited revenue and capital available for investment in improvements. Salix funding maybe available as an invest to save initiative.</i>
Staff	<i>Principal Carbon Reduction Officer now in post</i>
Assets	<i>None</i>
Partners	<i>None</i>
Timescales	<i>ASAP – Plan to be reviewed annually</i>
Leadership	<i>Principal Officer Carbon Reduction</i>

## 8. Impact Assessment

Implication	Impact Considered (Yes/No)	Impact Identified
Legal	Yes	<i>Failure to comply with targets set by the Welsh Government</i>
Contribution to the Strategic Plan	Yes	<i>It is designed to underpin the University's Strategic Plan. The Carbon Action Plan is designed to make the University more sustainable by reducing its Carbon Footprint</i>
Risk Analysis	Yes	<i>Failure to adopt the Plan would result in the University not meeting its Carbon reduction targets set by the Welsh Government together with excessive CCL payments that are levied on utility bills. The University has been exempt from paying any duty based on its Carbon Emissions on Electricity and Gas. Failure to adopt the plan would also result in the University not Improving its Carbon Management KPI in People and Green Planet League. In the next report phase the University would be included, resulting in a levy of £16/Tonne (based on current rate) of Carbon. There would be a potentially substantial financial implication based on current emissions. Finally there is the reputational risk arising to the University if is</i>



		<i>shown to be not meeting its carbon reduction targets.</i>
Equality	Yes	<i>The policy does not discriminate</i>
Welsh Language	Yes	<i>The Policy can be provided in Welsh</i>
Environmental and Sustainability	Yes	<i>The Carbon Action Plan is aimed to both support and strengthen the sustainability agenda and the University's Sustainability Strategic Plan</i>
Communication/ Media / Marketing	Yes	<i>Website, Press Releases, Notices via internal University media on all campuses</i>

**Policy author:**

**Duncan Morgan**

**Job Title: Principal Officer Carbon Reduction**

.....**Job Title**.....

**9. Document version control**

Version No:	Reason for change:	Author:	Date of change:

(this should include the journey of the policy through the Committee structure).

**Current status of Policy:** Not a policy

\*Delete as appropriate  
\*\* insert when available



