

Environmental improvement in Technical Services: How can we help?

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Overview

- Working across campuses
- Resources:
 - Websites
 - Compliance guides
 - Staff induction information
 - Training packages
 - Sustainability coordinators
- Green Impact and Green Exeter initiatives
- Have your say

Delivering environmental sustainability across campuses

HR Services

Area	Exeter Campuses	Penryn Campus
People	Campus Environment Group Sustainability Vision & Change Catalyst Group	Environment Sustainability Working Group
Policy & Strategy	Environmental Policy 2015 Environmental Sustainability Strategy (2015-2020) Biodiversity Strategy (draft) Carbon Management Plan 2010-2020 Fairtrade Policy 2016 Sustainable Food Policy 2016 Sustainable Procurement Policy (draft) Travel Plan (draft) Water Strategy (draft) Waste and Resource Strategy (draft)	Environmental Policy 2014 FX Plus Biodiversity Policy FX Plus Sustainable Food Policy 2014 Sustainable Procurement Policy 2015 Waste and Recycling Policy
Targets	Targets for all themes agreed June 16	Targets for most themes agreed

Performance

Performance: Exeter Campuses*



Carbon dioxide emissions have been reduced by 13.1% compared the 2005/06 baseline. We emit 21,610 tonnes.



Annual waste arising have been reduced by 246 tonnes compared with 2010.



The 2015 Staff Travel Survey Data reported that 35.5% of staff travel to the university by car alone.



1,038 tonnes of waste was generated, of which 35% was recycled.



We have achieved a BREEAM rating of at least “excellent” for all new buildings.



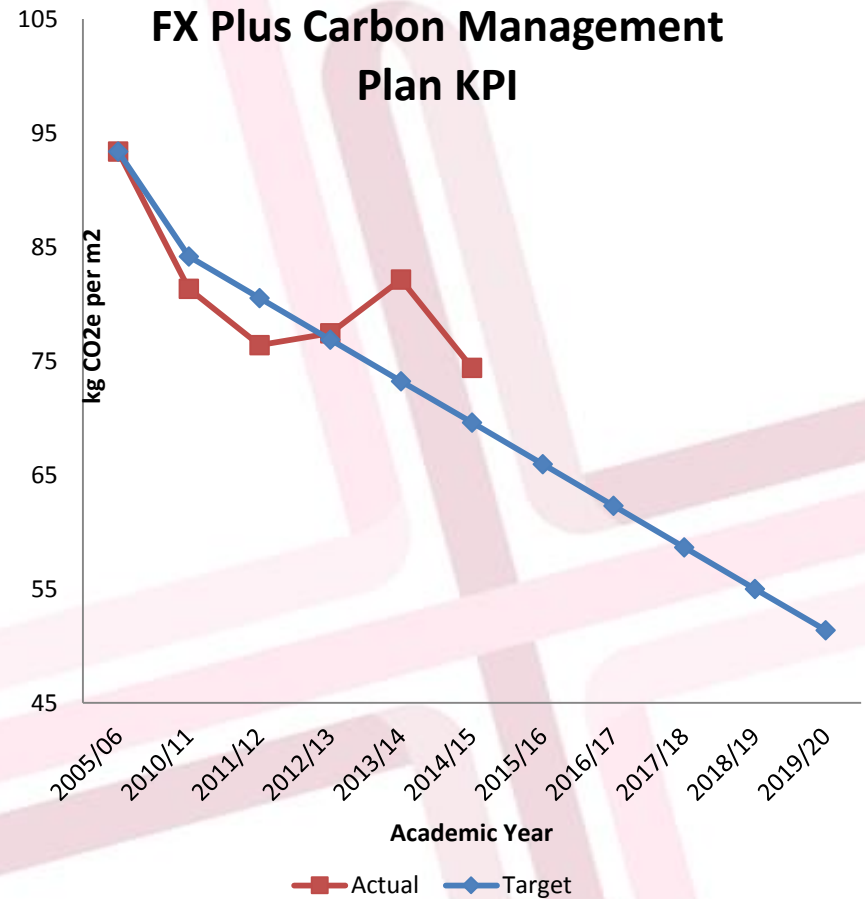
Water consumption was reduced in academic buildings to 6.16m³/FTE.

*2014/15

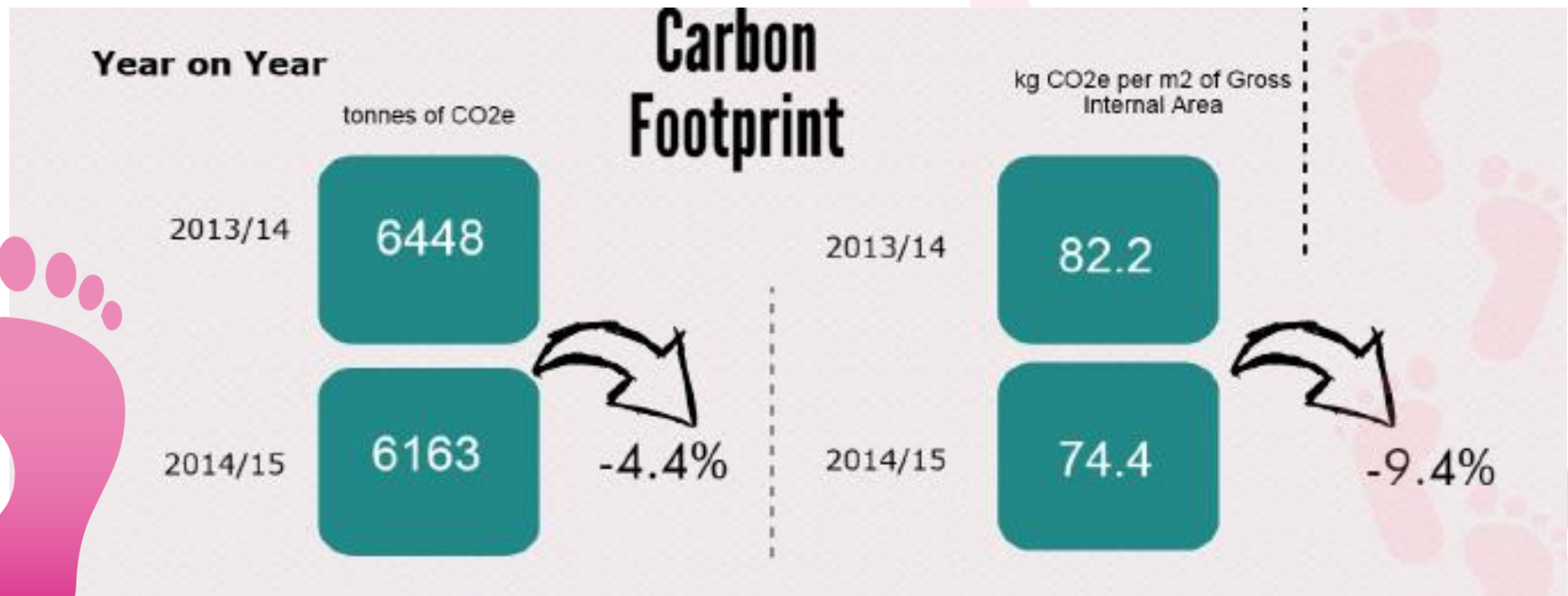
PENRYN Campus Carbon KPI

KPI To reduce our Scope 1 and 2 Carbon Emissions (Gas and Electricity) by 45% per m² of GIA by 2020.

- 2005/06 baseline 93.4
- 2014/15 actual 74.4kg
- 2020 target 52.37



PENRYN Campus Carbon Performance



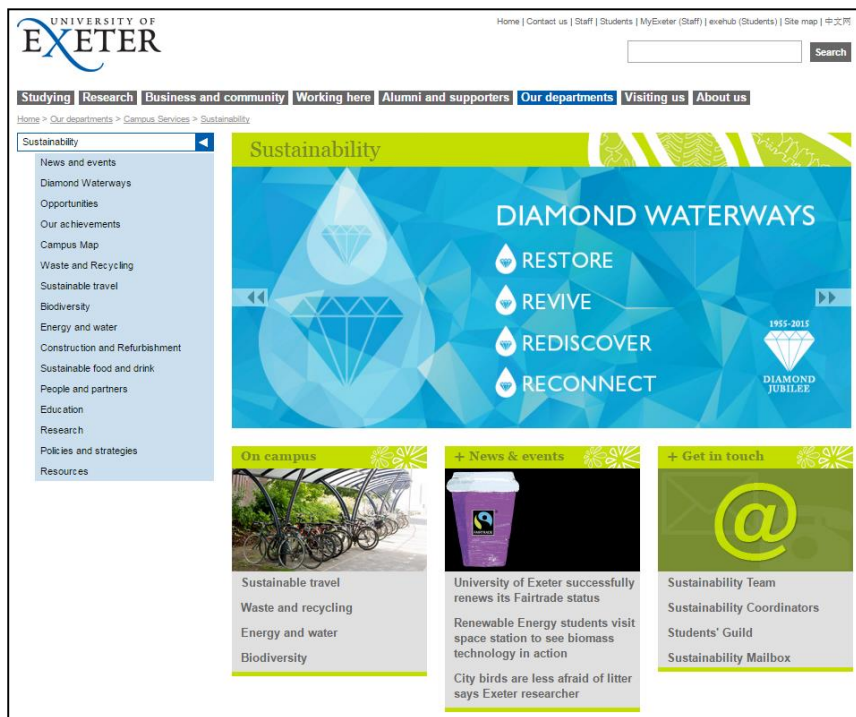
Growing Campus in 2005/06 the absolute carbon (CO2e) footprint was 3146 tonnes.

By 2014/15 our absolute carbon footprint was 96% higher than the baseline year.

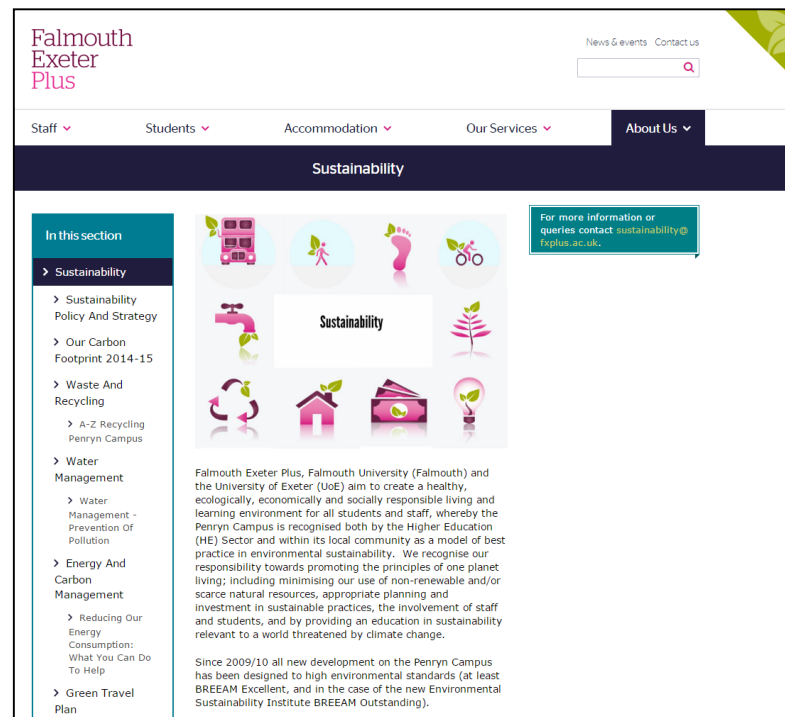
The kg per m2 of GIA in 2005/06 was 93.4 or 20% lower than the baseline year.

Support

Website



www.exeter.ac.uk/sustainability



www.fxplus.ac.uk/about-us/sustainability



Environmental compliance advice

Compliance Briefing Note: 002

Hazardous Waste Regulations 2005

Introduction
Waste is hazardous when it contains substances or properties that might make it harmful to human health or the environment. The legal definition of "hazardous" is based around different properties, some of which are in everyday usage, i.e. explosive and flammable, while others are more obscure, e.g. ecotoxic or sensitising.

As an organisation that produces hazardous waste we must comply with the legal obligations that control how we store, transport, treat and dispose of it.

Examples of hazardous waste
Typical examples of hazardous waste include:

- asbestos
- chemicals, e.g. waste laboratory chemicals and printer toner
- electrical equipment with potentially harmful components such as cathode ray tubes, e.g. computer monitors and televisions
- fluorescent light tubes and energy-saving light bulbs
- vehicle and other lead-acid batteries
- oils (except edible oils), e.g. engine oil
- refrigerators containing ozone-depleting substances
- solvents, e.g. aerosols
- pesticides

Duties of the University
The University MUST (subject to emergency procedures):

- register as a premise with the Environment Agency as we generate more than 500kg pa of hazardous waste
- ensure consignment notes are completed in full and records maintained for 3 years
- waste is described accurately with the correct European Waste Catalogue Code
- ensure that hazardous wastes are not mixed with other hazardous waste and that non-hazardous and hazardous wastes are not mixed on site
- take care to ensure staff segregate and dispose of waste in the correct receptacles

Hazardous waste must be taken into account when assessing risks under general health and safety legislation, e.g. under the Control of Substances Hazardous to Health Regulations 2002.

! If you are unsure whether your waste is hazardous, not sure how to dispose of your hazardous waste, please contact the Health and Safety Team for advice.

Further Information:
Karen Gallagher, Sustainability Manager
k.m.gallagher@exeter.ac.uk, 01392 72 5604
www.exeter.ac.uk/sustainability/

www.exeter.ac.uk/sustainability/resources/compliance/

FALMOUTH UNIVERSITY UNIVERSITY OF EXETER

COMPLIANCE BRIEFING NOTE: 001 YOUR WASTE DUTY OF CARE OBLIGATIONS

Falmouth University, UoE and FX Plus have a legal responsibility to ensure that any waste removed from University Campus premises is stored, transported and disposed of without harming the environment.

This is called our 'Duty of Care' and requires us to ensure that:

- Waste is stored and transported appropriately and securely so it does not escape (whether through accidental means or theft);
- Waste is only transported and handled by people or businesses that are authorised to do so;
- Appropriate documentation is completed and retained for all waste removed from Penryn Campus estate.
- Anyone disposing of waste must comply with our Duty of Care requirements. If you are unsure please contact the Estates Helpdesk in the first instance (estates@fxplus.ac.uk)

Duty of Care requires that organisations take all reasonable measures to:

- Prevent the unauthorised or harmful disposal of waste by another person (such as fly tipping or disposal of hazardous chemicals down drains);
- Ensure that when waste is transferred, it is transferred only to an authorised person and is accompanied by a written description known as waste information (waste transfer note).

Registered Waste Carrier's License
Any contractor engaged to remove waste from Campus premises must be registered with the Environment Agency as a Registered Waste Carrier. The Environment Agency Public Register should be checked to obtain the licence number and expiry date.

Non-hazardous waste
Waste transfer notes (WTNs) or a full description of the waste are required when there is movement of controlled non-hazardous waste. These need to be kept accessible for 2 years.

Hazardous waste
Waste transfer notes (WTNs) and a consignment note are required when there is movement of controlled non-hazardous waste. These need to be kept accessible for 3 years. (For further information see Advisory Note W003).

Hazardous Waste Briefing Note 002 Page 1

www.fxplus.ac.uk/about-us/sustainability/water-waste-recycling/waste-and-recycling

Briefing notes with campus specific guidance

Practical compliance advice

Key contacts for local advice and support



Induction and Training

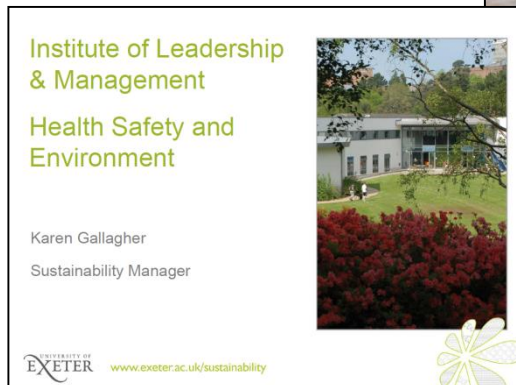


Environmental Sustainability
Online Module

ILM Level 2/3 course



Induction
resource



Also.....

Local induction document for
Penryn staff

Pollution Response Training

- Laboratories
- External environment




Training for Sustainability
Coordinators



Waste management



A-Z Guide to Waste and Recycling at Penryn Campus

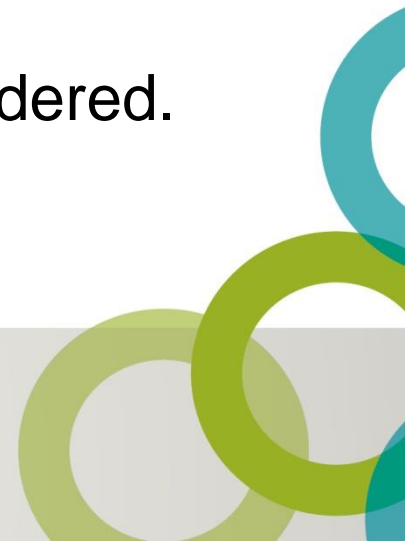
What is it?	Where do I put it?	Remember...	Where does it go?	
A Aerosols	 general waste	Place in the internal or external, black labelled general waste bins.	Aerosol containers must be empty before disposal.	Landfill
Aluminium foil (& containers)	 aluminium foil	Place in the internal or external, red labelled general waste bins.	Aluminium foil and containers must be clean before disposal.	Recycled
B Batteries	 portable batteries	Place in the battery recycling bins located around the main campus.	Battery recycling point locations; <ul style="list-style-type: none"> • Cash machine lobby next to post room • Peter Lanyon staff room • SoFT reception • Ground floor SoFT • AMATA corridor behind reception • Design Centre inside main entrance 	Recycled

A-Z waste guides for each campus.

Waste and recycling specialists on hand:

- Natalie Brown, FXPlus
- Anthony Partridge, UoE

The chemical waste contract is currently being tendered. Watch out for changes to disposal procedures.



Local Support

Network of Sustainability Coordinators across University of Exeter (both Campuses) and Sustainability Champions across FX Plus (Penryn Campus):

- Support the implementation of sustainability projects within the college or service
- Provide advice to the college or service regarding sustainability initiatives (with sustainability practitioner support)
- Feedback sustainability issues to Environment & Sustainability Adviser
- Act as a consultative forum for new sustainability initiatives
- To disseminate information (emails, posters, etc.)

Green Impact: Penryn

- 12 Teams completed their workbooks this year (3 UoE teams).
- Consists of manageable actions teams can undertake to make positive environmental changes to gain internationally recognised accreditation
- 2016/17 Green Impact starts in October

Get involved with Green Impact

Want to make a difference and help green your workspace?

Join the Green Impact Scheme at Penryn Campus

For more information contact Karen Clowes, Carbon and Sustainability Manager Ext 2775

nus

green impact

Green Impact: Penryn

#GreenerCampus

Progress through an online workbook completing simple, clear and easy criteria and targets

3 Levels:

- Bronze
- Silver
- Gold

Special awards recognise individual and team excellence

'Labs' workbook tailored to staff working in Laboratories

12 Teams completed their workbooks this year (3 UoE teams)

2016/17 Green Impact starts in October

Complete workbooks in April

To sign up or for more information email sustainability@fxplus.ac.uk



Green Exeter Scheme

- Following 6 years of the Green Impact (GI) success on the Exeter Campuses, we will be piloting the new Green Exeter scheme in 2016/17.



- Developed through GI feedback and working Group.
- Key changes:
 - Join and take action at any time of the year
 - Choose your own deadline (max 12 months from joining)
 - No online workbook
 - Only two levels: Essential and Exemplar

Phases

- ***Start the Journey*** – All teams need to register with the scheme to get access to the toolkits and resources. In order to participate, the registration will need to be accompanied by a “Green Exeter Commitment statement” which should be completed by the appropriate line manager.
- ***Meet the Essential requirements*** – Everyone should be meeting environmental regulatory requirements and internal standards. By completing the Essentials element, everyone will understand their environmental role and will have plans in place to ensure continual improvement. The Essentials section is about **People** and **Planning**.
- ***Become an Exemplar*** – An exemplar department is one that has all of the essentials in place and is delivering their environmental action plans. The Essentials section is about **Doing**. Exemplars will realise a % score so you can determine year on year improvements.

Sections

Essentials	Exemplar
Leadership Integration People Policy Compliance Planning Incident Reporting & Response Training Communication Reporting and Review	Energy Waste Travel Resource Use Procurement Green Consultants Innovation and influence

Recognition through scores reports, awards and award ceremony

Support

- Baseline review assessment tool
- Scheme handbook
- Information and guidance
- Getting started workshop
- Media pack
- Green Consultant support
- Collaborative Office 365 workspace
- Experienced verifier feedback visit

Any questions