



# The University of Derby and the environment

# Energy and carbon footprint

# Waste and recycling

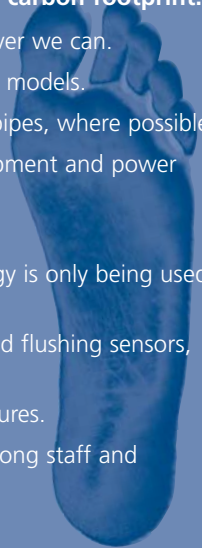
## At Derby, we take the environment seriously, both locally and globally

Between July 2006 and June 2007, our Kedleston Road site used 5,768,245 kWhs of electricity. This is 2,480 tonnes of carbon dioxide – enough to fill 496 hot air balloons, each carrying 3 to 4 people.

Our gas consumption for the same period was 8,861,013 kWhs or 1,683 tonnes of carbon dioxide (or 336 hot air balloons).

### What we are doing to reduce our carbon footprint:

- Installing lighting sensors, wherever we can.
- Replacing lamps with low energy models.
- Insulating plant, machinery and pipes, where possible.
- Regular maintenance on all equipment and power supplies.
- Regular energy audits.
- Room scheduling to ensure energy is only being used when needed.
- Installing water saving devices and flushing sensors, where possible.
- Trialling new energy saving measures.
- Awareness raising campaigns among staff and students.



We're considered a leader in the field of waste management, having introduced an innovative pay-by-weight scheme back in 1999. We were one of the first universities in the UK to use this method, and we've won awards for our pioneering work in this area.

We produce around 1,000 tonnes of waste per annum, recycling up to 17% of this. Expansion of our recycling facilities is an ongoing project, and it's hoped that within five years we'll be recycling at least 50% of our general waste.



Currently, we recycle paper, cardboard, glass, cans and plastic, print toners, fluorescent tubes and lamps, as well as some wood and metal.

## Timeline for environmental issues at Derby

1998

- Recycling scheme for paper and cardboard set up at Kedleston Road.
- Environmental role created.

1999

- Innovative pay-by-weight waste management and recycling system introduced.

2001

- Signed up to Government Watermark project to save water in public sector buildings.
- Installed water saving measures.

**Our Transport and Travel team is instrumental in helping to reduce our carbon footprint.**

## Transport and travel schemes include:

- Car sharing among staff and students.
- Dedicated parking spaces for drivers of Smart cars.
- Unibus service between the city centre, train station and University.
- Annual charity bike ride between Buxton and Derby.
- Car(bon) Challenge – a pledge scheme to

encourage staff and students to find an alternative to the car for one day per week.

We've got a pool of cars including a Prius, a hybrid car running on both electric battery power and/or petrol, and Yaris models. We discourage staff from using their own cars, which may be less environmentally friendly.



**To help us in our drive to be environmentally aware and responsible, we've created the voluntary role of Environmental Champion for our staff.**



This group of 40 members of staff includes lecturers, technicians, and support staff. They all have one important thing in common – they care passionately about the environment and believe that they can help to

make a difference to the University's impact.

We're a large university with two campuses 40 miles apart and without the help of our Environmental Champions, it would be difficult to cover the whole University.

The Environmental Champions help in many ways. They disseminate information to their colleagues, making the whole environmental experience a more personal one. They monitor changes to practice, keep abreast of new innovations and hand out flyers

and put up posters at our events and roadshows.

Anyone can become an Environmental Champion. The only qualification needed is the desire to promote good environmental practices here at the University.



## 2003

- Government "Invest to save budget" filming of Derby as we're recognised for our contribution to saving water in the public sector.
- Commended by the Office of Government and Commerce for our water saving measures.

## 2004

- Highly Commended in the Green Gown Awards for our transport and travel policy.

## 2005

- Completed Watermark project saving 185,585 m<sup>3</sup> of water and £274,282 University-wide.
- Highly Commended in the Green Gown Awards for waste management and recycling.
- Accredited as a Fairtrade University by the Fairtrade Foundation.

# Green league tables

**We're placed 22nd out of more than 100 universities in England, Scotland and Wales in an environmental league table published by People and Planet.**



People and Planet is a national student organisation campaigning to alleviate world poverty, defend human rights and protect the environment.

It carried out surveys at 117 universities and colleges in

Britain, awarding points for criteria such as environmental policies, environmental staff, tonnage of recycled material, and carbon emissions. We're really pleased to say we came in the top quartile of British universities scoring a 2:1.

**Think locally, act globally – global environmental matters at Derby**

At the end of their useful life, our PCs and printers are shipped out to Africa to



benefit schools and colleges in rural Ghana. We entered into a partnership with a charity called Datalink, and we've donated over 1,500 computers in the last 5 years. We've also given printers, desks, chairs, books and sports equipment. It's great to know that our IT equipment is used to help educate children and young adults in rural schools and colleges throughout Ghana.

# Fairtrade

**In October 2005, Derby was accredited as a Fairtrade University.**



We make sure that Fairtrade tea, coffee and other products are available in all our coffee shops and cafés, and this year we held a series of events to celebrate Fairtrade fortnight.

We were awarded a Special Commendation by the Fairtrade Foundation for our outreach and networking during Fairtrade Fortnight.

Here are some of the events we organised:

- Free tea, coffee or juices for students and staff.
- Fairtrade market, held in the Atrium at Kedleston Road.
- Fairtrade lunches in our Multi-Faith Centre, and on other sites.
- Unfair football match – the teams were girls against boys with the boys representing the rich world and the girls representing the developing world. The girls were handicapped by having their legs tied together making them three-legged and by

having a smaller goal to shoot at. The boys wore pristine kit and had cheer leaders, the girls wore shabby kit emphasising the unfairness in world trade between the haves and the have-nots.

- Fair Fashion Show – this was the culmination of the fortnight. It promoted fair fashion for all, raised awareness of Fairtrade clothing, and raised money for the Fashion students for their final year show.



## 2006

- Environmental Policy and Strategy agreed and ratified.
- Signed up to EcoCampus, a sector specific environmental management system designed to measure and monitor environmental performance.
- Signed up to the Derby 7Cs climate change communications campaign, a citywide partnership.

## 2007

- Scored a 2:1 in the People and Planet Green League Table 2007, coming 22nd out of 117 universities.

- Appointed an Energy Officer.
- Awarded a Special Commendation for Outreach and Networking by the Fairtrade Foundation.

## 2008

- Will be the venue for the annual Fairtrade Foundation conference and AGM.
- Will sign up to the Carbon Management Programme.

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