



The University of
Nottingham

2006/7

Environment and Energy Report

November 2007

University Carbon Dioxide Emissions Down

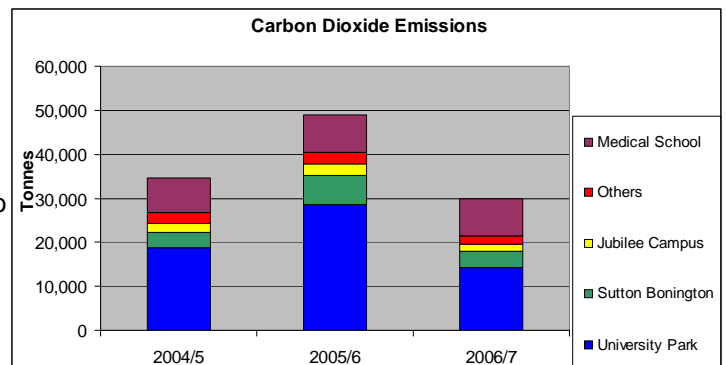
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Emissions of carbon dioxide resulting from our use of gas and electricity in buildings was down by 39% this year.

This was principally due to the University being able to buy 'green' renewable electricity for our main sites from October 2006.

Overall energy use was also reduced by 4%, which aided the performance.



Emissions were down from 49,030 Tonnes in

2005/6 to just 29,883 Tonnes in 2006/7.

Staff Cyclescheme Introduced

The University has teamed up with *cyclescheme* to offer staff the opportunity to purchase a bicycle and safety equipment. Payments are made via salary over 12 months, and are free of income tax and national insurance. Cyclescheme are linked with many of the local cycling shops throughout and around Nottingham.

Jubilee Campus, and further cycle parking planned for University Park. For more cycle information go to

www.nottingham.ac.uk/estate/environment/cycling.htm



Visit the
Environment
website at:

www.nottingham.ac.uk/estate/environment/

Cycling facilities have also been upgraded, with £100,000 spent recently. Improvements include the installation of four new showers at University Park, a new cycle shed at

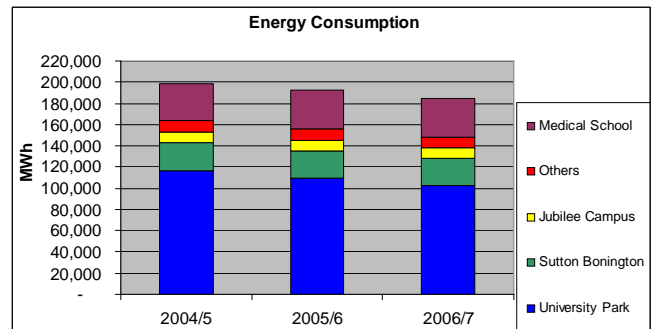


Did you know?

Lighting a 100m² office overnight wastes enough energy to heat 1000 cups of tea

Energy use in buildings down 4%

Our overall energy use in buildings was down 4%, on top of last year's reduction of 3%. Electricity consumption remained level, but gas consumption dropped 7%.



Energy Consumption	MWh	MWh	MWh	Change
	2004/5	2005/6	2006/7	'06/7 to '05/6
University Park	116,269	109,088	102,232	-6%
Sutton Bonington	26,706	25,818	26,000	1%
Jubilee Campus	10,396	9,939	9,553	-4%
Others	10,404	10,544	10,607	1%
Medical School	34,150	36,516	35,738	-2%
Total	197,924	191,905	184,130	-4%

Ground-breaking!

The University's Grounds continue to win National Awards. The Grounds Section, led by Ian Cooke, are committed to maintaining and extending the University's many achievements in this area.

Earlier this year the

University won its fifth Green Flag Award, and is still the only University to have received the coveted award. Members of Friends of University Park helped in obtaining this award by organising garden open days, guided walks, and talk to visitors.

The University also supported the City of Nottingham in this year's Britain in Bloom and the City was awarded a Gold Medal - the top award category in the country.



Recycling increases

Over the last 6 months we have expanded the recycling facilities and as a result have seen an increase in our recycling rates to over 25%. We plan to raise this even higher with the introduction of several new recycling schemes and have set

ourselves the target of 30% for September 08

A Mixed Recycling scheme was rolled out through the University which allows people to combine mixed paper and card, plastic bottles and food and drink metal tins

into the same bin. As well as the introduction of Bring Sites and On-Street recycling throughout campuses.

We are also supporting a number of other schemes including:-

- clothes and shoes recycling (to help raise money towards the charity African Aid),
- mobile phone recycling (to help raise money towards Hayward House Cancer Trust)
- CD recycling.

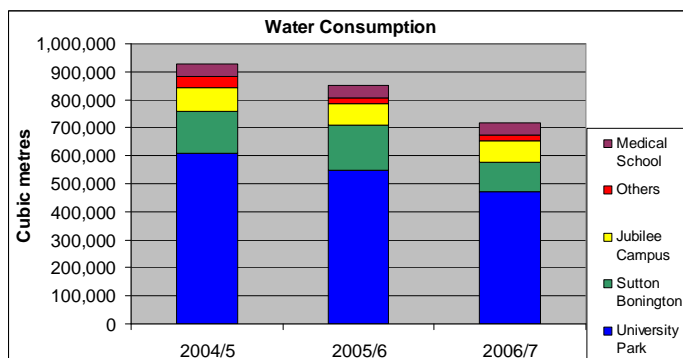
If you would like to have an internal recycling bin in your staff or student area please contact a member of the Environment Team.



For more information go to www.nottingham.ac.uk/estate/environment/recycling.htm

Water consumption down 16%

Our water consumption fell again this year, and is now down over 200,000 cubic metres per annum compared to two years ago. Our programme of installing urinal controls, and the improved detection and repair of leaks were behind the success.



Water Consumption	cubic m.	cubic m.	cubic m.	Change
	2004/5	2005/6	2006/7	'06/7 to '05/6
University Park	608,444	546,497	473,754	-13%
Sutton Bonington	148,732	162,052	102,870	-37%
Jubilee Campus	86,869	76,534	75,818	-1%
Others	37,975	22,987	20,940	-9%
Medical School	43,570	43,118	43,628	1%
Total	925,590	851,188	717,010	-16%

Did you know?

We use over 400,000 gallons of water every single day.

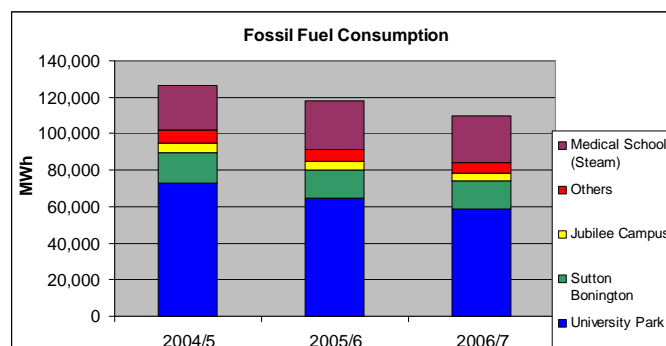
What can you do to save water?



Fossil fuel usage down

Our usage of fossil fuels (almost exclusively gas these days) was down 7%, the same as last year.

This was a particularly good performance as two major new buildings were opened, the School of Veterinary Sciences, and the new extension to the Biomolecular Sciences building.



Fossil Fuel Consumption	MWh	MWh	MWh	Change
	2004/5	2005/6	2006/7	'06/7 to '05/6
University Park	73,024	64,708	58,448	-10%
Sutton Bonington	16,491	15,343	15,463	1%
Jubilee Campus	5,305	5,027	4,506	-10%
Others	7,383	6,410	5,880	-8%
Medical School (Steam)	24,250	26,312	25,410	-3%
Total	126,452	117,800	109,708	-7%

Go on - make a pledge!



Why not take the bus or use a bike once in a while?

Staff and students are being encouraged to make an environmental pledge. For instance, this might be not to overfill the kettle when boiling water, or to leave the car at home one day a week. Then you simply register your pledge online at <http://www.nottingham.ac.uk/estate/environment/pledge.html> and then get on with doing your bit to help the planet!

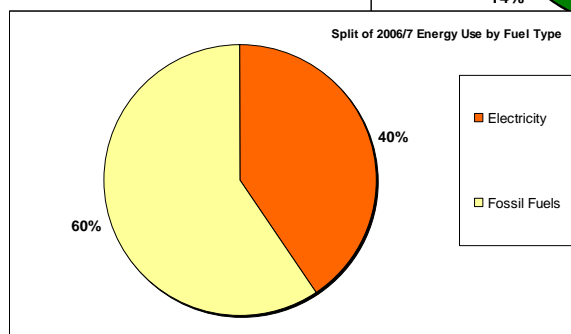
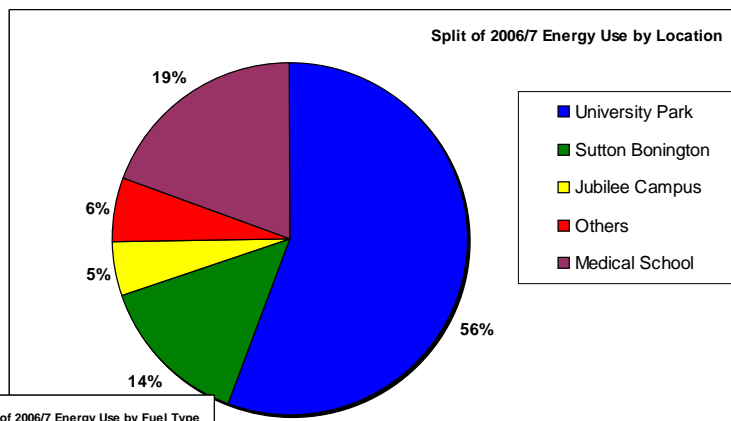
To help raise awareness of environmental issues around the University, the Estate Office can provide some materials such as coasters and posters. If you would like some of these for your building then go to the Awareness section on the



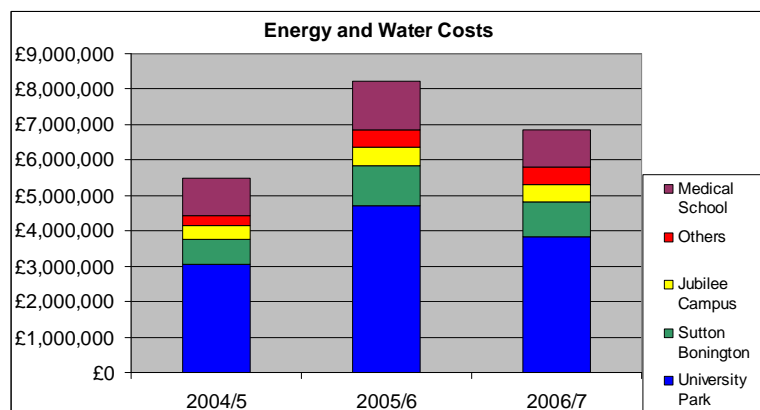
environment website to order coasters. Posters can also be printed off and placed in communal areas.

2006/7 Energy Report

The full Energy Report for 2006/7 has been produced and can be accessed from the website (see p.6). The report shows the full range of statistics relating to our use of energy and water in buildings.



Breakdown of 2006/7 utility costs



Energy prices started to fall from their record highs in September 2006. The gradual drop in prices continued until February 2007, and allowed the University to reduce total expenditure by £1.4 million. The total spend was £6.84 million, a figure which rises to £7.55 million if taxes are included.

Did you know?

We spent an average of £860 on energy and water every hour of every day in 2006/7.

Energy and Water Costs	2004/5	2005/6	2006/7	Change '06/7 to '05/6
University Park	£ 3,043,972	£ 4,697,358	£ 3,844,450	-18%
Sutton Bonington	£ 725,387	£ 1,149,584	£ 960,900	-16%
Jubilee Campus	£ 379,587	£ 530,352	£ 513,198	-3%
Others	£ 292,862	£ 486,098	£ 465,405	-4%
Medical School	£ 1,026,500	£ 1,378,232	£ 1,055,068	-23%
Total	£ 5,468,308	£ 8,241,624	£ 6,839,021	-17%

Figures in the table above exclude taxes



Bright Ideas!

If you have any ideas to save energy or help the environment saving then let us know.

Did you know?

Every year the University produces in excess of 3000 tonnes of waste.

Email us at:

Gavin.Scott@nottingham.ac.uk

(environment)

Tim.Rudge@nottingham.ac.uk

(energy and water)

Or write to us at:

The Environment Manager,
Estate Office
University Park
Nottingham
NG7 2RD

Carbon Management

The University has signed up to the Higher Education Carbon Management Program run by the Carbon Trust. This project, which is in its third phase, aims to provide organisations with a systematic framework to reduce their carbon emissions.

We have recently completed setting our baseline figure and are now moving forward to explore the opportunities

that exist to reduce our CO₂ emissions. The outcome of the project will be a 3-5 year plan to reduce CO₂ emissions.



Nottingham awarded 2.1 'degree'

Over the last year the student network 'People and Planet' carried out a survey of 120 HEI's and assessed them according to the following environmental criteria:

- Publicly available environmental policy
- Comprehensive environmental audit

- Number of full-time environmental staff
- Green Travel Plan
- Support for Fair-trade
- Amount of renewable energy
- Amount of recycled waste mass
- CO₂ emissions per head

Here at Nottingham we got a score of 36 out of

50, making us joint 22nd out of UK Universities. We were awarded a 2.1 'degree' based upon their criteria. Whilst we are pleased with our performance we are committed to continual improvement.

people & planet

Environment on the web

Want to find out more about what we are up to and what you can do to help reduce our

environmental impact?

Take a look at our updated website:

www.nottingham.ac.uk/estate/environment

