

Engaging Staff at Aston University

Andrew Bryers MSc MEI: Chartered Energy Manager



About Aston University



- ▶ A University since 1966
- ▶ Research led with five schools including Life and Health Sciences and Engineering and Applied Science.
- ▶ Professor Dame Julia King has been VC since 2006
- ▶ 9,500 students
- ▶ 22nd place in The Guardian University League Table 2015.

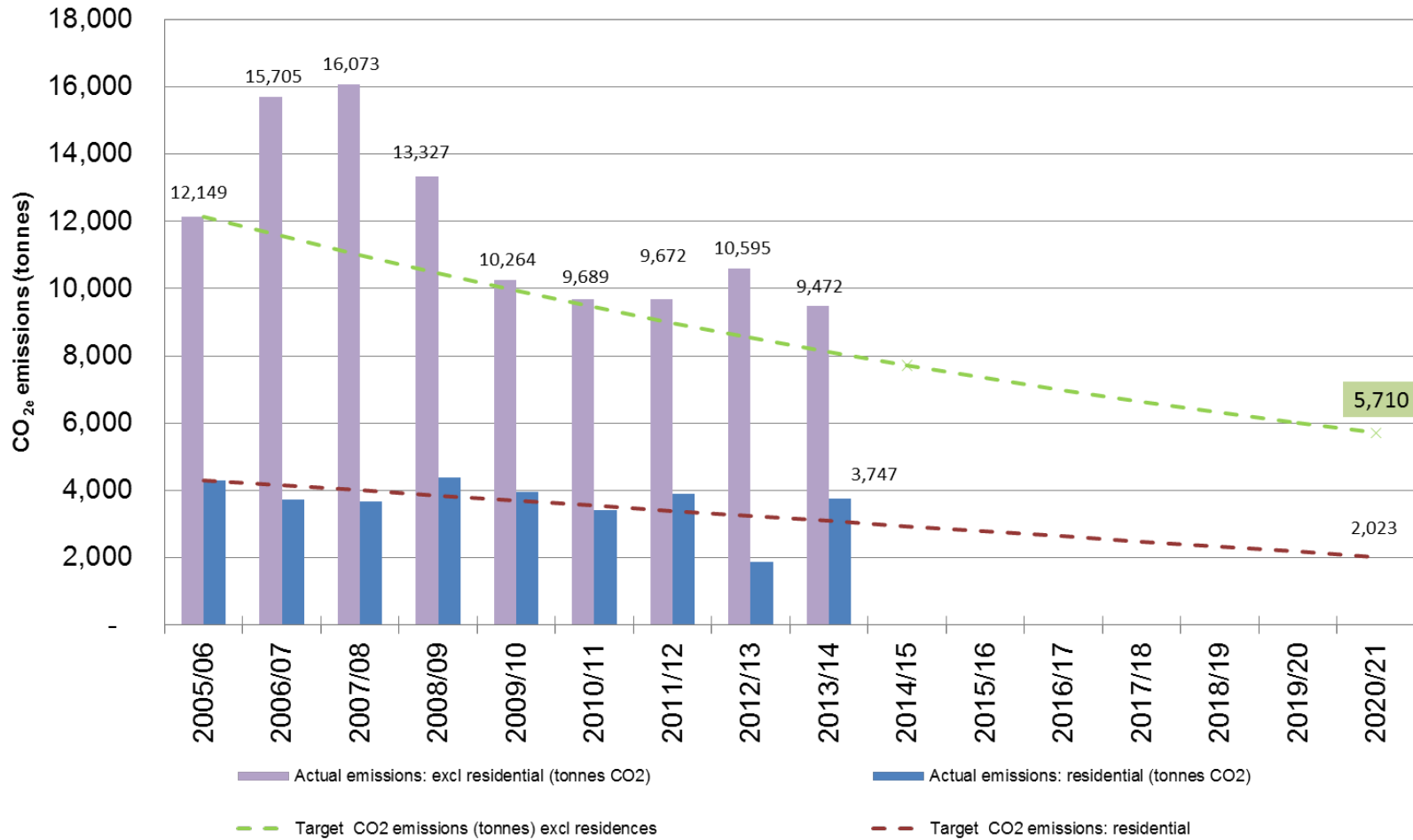


Some of Our Green Credentials

- ▶ The University is committed to reduce its 2005/06 emissions by 53% by 2020
- ▶ Ranked 12 out of 151 Universities in the People and Planet League 2015
- ▶ Has EcoCampus Platinum and ISO 14001 standard
- ▶ A key member of the United Nations Principles of Responsible Management Education (UNPRME)



Current Carbon Emissions

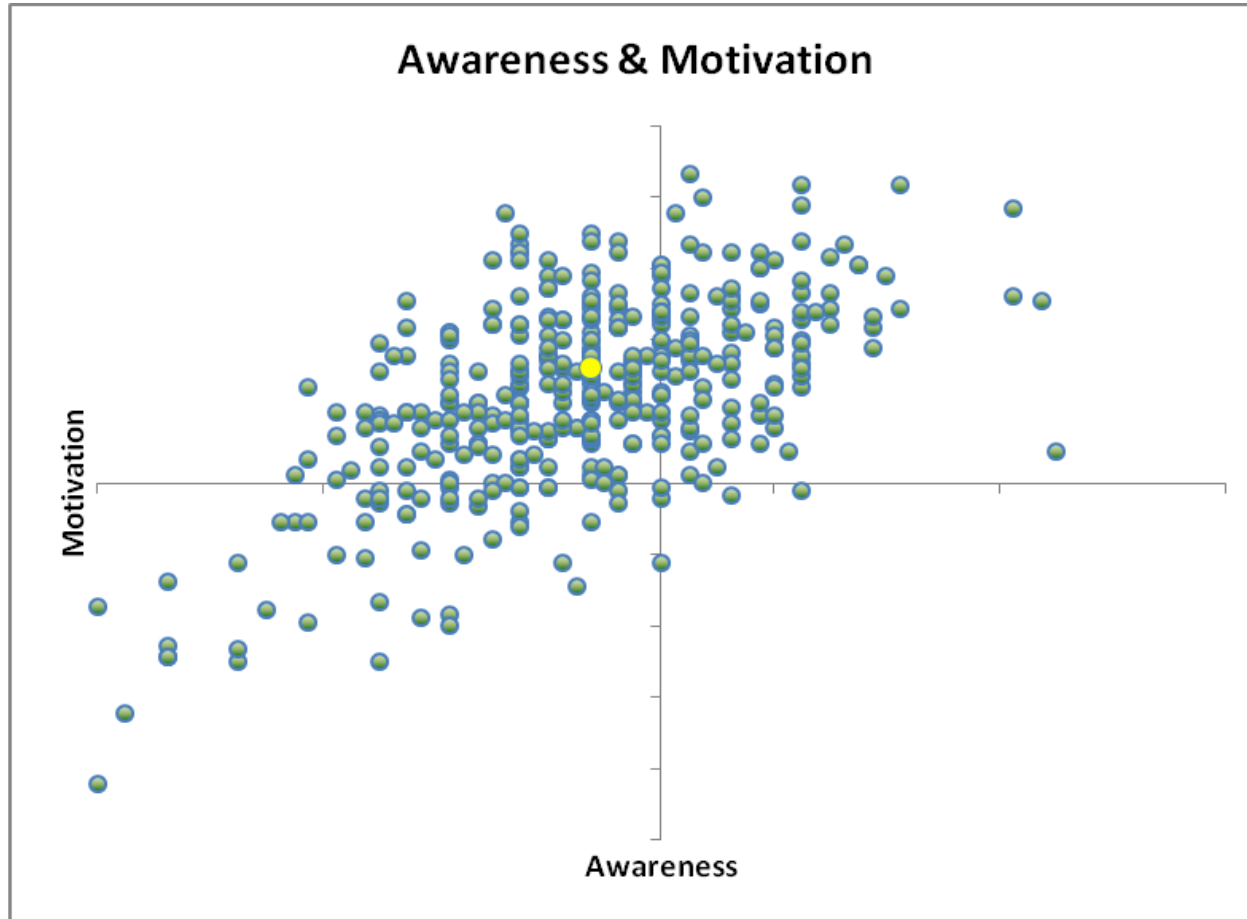


Technical Fixes

- ▶ 3 MW CHP energy centre
- ▶ 2 PV systems
- ▶ Free cooling within our main datacentre
- ▶ All new build BREEAM excellent
- ▶ Fully newly refurbished Library and Woodcock Sports Centre
- ▶ SMART LED lighting
- ▶ Upgraded insulation
- ▶ Voltage Optimisation
- ▶ Green Roofs and Walls
- ▶ Multiple electric car charging points
- ▶ Onsite food composter
- ▶ Home of the European Bioenergy Research Institute



Energy and Sustainability Survey



The yellow point indicates the average score –
motivation 62%, awareness 43%




Go Green Champion

Main Purpose of Role:

- ▶ To assist in championing the University's environment and sustainability agenda.
- ▶ To educate, energise and engage with staff and students about the environment and sustainability agenda.
- ▶ To identify opportunities for the University to improve its sustainability performance.

Key Duties:

- ▶ To raise awareness amongst staff, students and visitors about sustainability.
 - ▶ To communicate and advise good environmental practice to staff and students.
 - ▶ To help organise and/or participate in sustainability events and initiatives.
 - ▶ To represent their department / area as required, for example in completing the Go Green Awards workbook.
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Go Green Leader



- ▶ High Level representative with authority
- ▶ Support a champions implementation
- ▶ Question the normal running of a department
- ▶ Make final decisions for any issues brought forward



Departmental Reports: Aston Business School

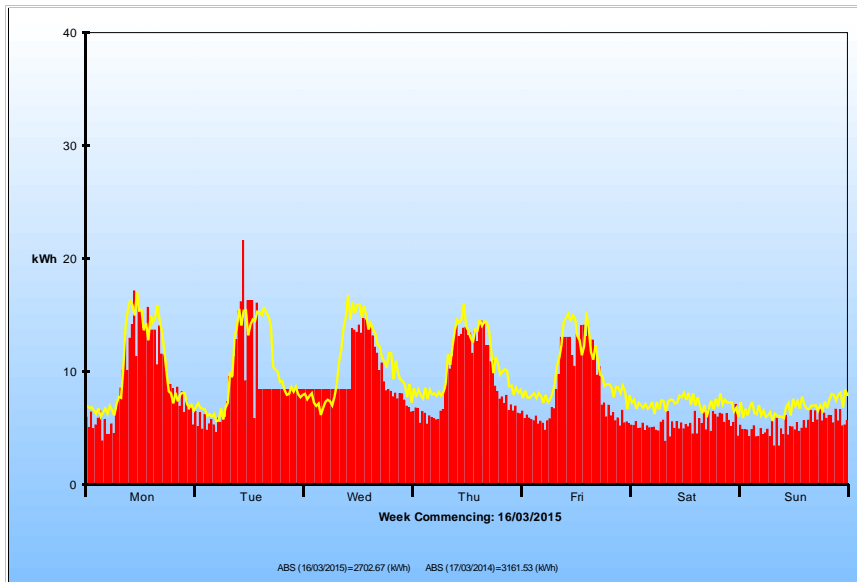
Overview:

2013/14 Total Electricity Consumption	1,074,345 kWh
2014/15 End of Year Target (7%)	999,141 kWh
March's Target	99,427 kWh
March's Consumption	97,385 kWh
April's Target	82,350 kWh
May's Target	83,452 kWh

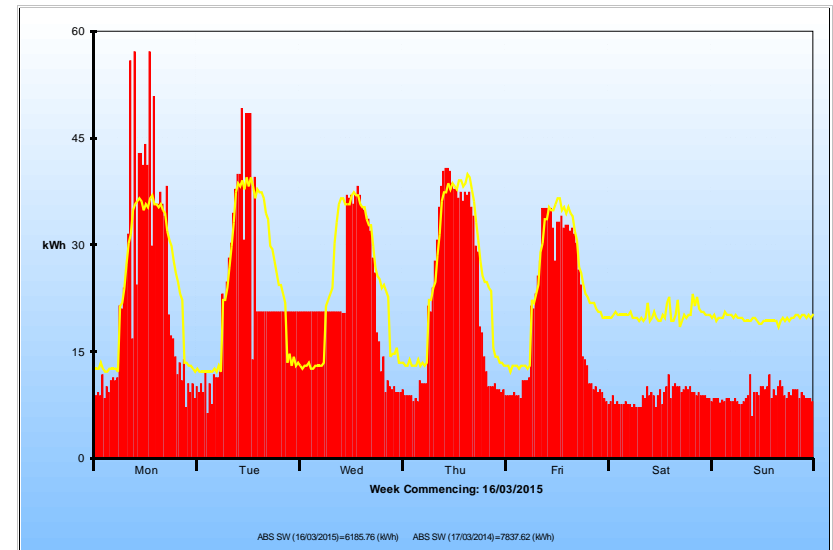
In order for ABS to meet next month's target, based on the same period last year, it needs to reduce its daily consumption by 206 kWh.

This is equivalent to 100 kgs of CO₂ that needs to be saved.

DID YOU KNOW: a single paperback book's production is equivalent to 1 kg of CO₂, which is the equivalent to watching 12 hours on an average TV



MB ABS - Out of hours / constant usage: **39 %**



SW ABS - Out of hours / constant usage: **23%**

Go Green Campaign Mascot



Go Green Events

Aston University

Aston Campus Wildlife Group

Aston Campus Wildlife Group was set up by a group of green enthusiasts to protect and promote wildlife on and around our campus. There are now over 100 student members.



- Events, talks and workshops to get involved with the group
- Keep up to date with news on campus such as the arrival of resident kestrels!

Aston University

Aston University Bicycle User Group (AstBUG)



Kitty

Become an AstBUG

Contact: f.m.a.hooton@aston.ac.uk
environment@aston.ac.uk
<http://www.aston.ac.uk/about/directions/>

Go Green Energy Champion_Layout1 30/01/2015 12:32 Page 3

Aston University

Get involved
f Green Aston Uni
@GreenAstonUni



Laboratories consume around 3 to 4 times more energy than a typical office

Please think about what equipment is left on and discuss any energy saving opportunities with your Go Green Lab Champion.

Your Lab Champion is:

Let them know if you have any ideas to help the University save energy. For more information visit: www.aston.ac.uk/environment

Go Green Week > What's on



THE
**BIG
SWITCH
OFF**
WEEKEND!

7th-8th
February

Help us save energy by fully switching off all items you don't need. We can then compare energy usage against this time last year.

All week long



Charge your phone by solar power! 11am - 2pm, outside the Library

Monday 9 February	Tuesday 10 February	Wednesday 11 February	Thursday 12 February	Friday 13 February
<p>Go Green Pledge Competition </p> <p>Think one thing you could do differently to save CO₂ - there will be prizes for the best entries! Email your entries to environment@aston.ac.uk.</p> <p>Photography Competition </p> <p>Entries can be of wildlife, landscapes, in your office or halls (pics of you saving energy / recycling!) These can then be emailed to environment@aston.ac.uk to be shared on social media throughout Go Green Week. There will be prizes on offer!</p> <p>Craft / Upcycling Session </p> <p>Recycle unwanted fabrics - have a go at making your own bags or bunting. Email environment@aston.ac.uk for details.</p> <p>1-3pm MB 404B Book a place Free Lunch</p>	<p>Eco Market </p> <p>Pop along to the Eco Market to buy local produce, vintage clothes and find all about how to 'go green' from a variety of information stands.</p> <p>11-2pm in the Students' Union Hall</p> <p>EBRI Tour </p> <p>Take a tour of a world class bioenergy research institute based here on campus. Flat shoes essential!</p> <p>12-1pm meet in the EBRI foyer Book a place</p> <p>Talk from British Trust for Ornithology: </p> <p>Wildlife on Campus.</p> <p>1-2pm, MB 108 Book a place Free Lunch</p>	<p>Second Hand Bike Sale and Security Marking </p> <p>Purchase a second hand bike from local social enterprise Cycle Chain and help keep it safe by getting it security marked!</p> <p>10am-12pm, Main Reception Lower Foyer</p> <p>Sustainability: Developments in Nursing and the Health Sector </p> <p>Lecture by visiting academic Benny Goodman.</p> <p>12-1pm MB 241 Book a place</p> <p>Dr Bike Session </p> <p>Get your bicycle serviced for free!</p> <p>1-3pm Main Reception</p> <p>Northfield Eco Centre </p> <p>Find out how to save money on your domestic energy bills! Book a place Free Lunch</p> <p>1.30-2.30pm, MB 404D</p> <p>Presentations from MSc Corporate Responsibility and Sustainability students, </p> <p>Including a talk by Brazilian student Cassia Ayres with her presentation 'Sustainability and Communication: My Experiences in Africa'.</p> <p>4.30-6pm in G8 Book a place Tea & Coffee</p> <p>The Post Growth Project: The Regional Dimension </p> <p>Lecture 6-8pm, Adrian Cadbury Lecture Theatre. Book a place</p>	<p>Cyclists' Breakfast </p> <p>Get fuelled up for the day with a free breakfast if you bike to campus (or to a station).</p> <p>8.30-10am in the Main Reception foyer</p> <p>Library Book, CD and DVD Swap - </p> <p>Bring an item, take an item! 9-5.30pm in the Library Foyer</p> <p>Sustainability: Language and the stories we live by. </p> <p>Lecture by visiting academic Arran Stibbe.</p> <p>12-1.30pm, Adrian Cadbury Lecture Theatre. Book a place Free Lunch</p> <p>EBRI Tour </p> <p>Take a tour of a world class bioenergy research institute based here on campus. Flat shoes essential! Book a place</p> <p>2-3pm, meet in the EBRI foyer.</p> <p>19th century designer, poet and utopian socialist William Morris and his significance to the environmental and wider radical movement. </p> <p>Talk by Dr John Blewitt and Christopher Brewster.</p> <p>6-7pm, G8 Book a place</p> <p>Go Green Pub Quiz </p> <p>Organised by RAG - money shall be raised for the World Wildlife Fund and the Woodland Trust.</p> <p>7pm B4 Bar</p>	<p>Library Book, CD and DVD Swap - </p> <p>Bring an item, take an item! 9-5.30pm in the Library Foyer</p> <p>Meat Free Friday </p> <p>In all Catering Aston outlets - try going veggie for a day!</p> <p>Wellbeing Walk </p> <p>Take a tour of our Biodiverse Roof as well as the Vision Sciences Building with a large array of solar PV panels! Pre-book by emailing environment@aston.ac.uk.</p> <p>1-2pm: Meet in MB Reception at 1pm Book a place</p>

Get involved!

To book a place, please email environment@aston.ac.uk.
www.aston.ac.uk/go-green-week

 GreenAstonUni  @GreenAstonUni



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14th-15th
February

Help us save energy by fully switching off all items you don't need. We can then compare energy usage against this time last year.

Go Green Departmental Electricity League



Aston University

Go Green
Electricity League



School / Department	% Above/ Below Target
Registry	-52.3
International, Marketing, Careers & Outreach	-19.1
Security	-19.0
CLIPP	-16.2
HR, Staff Dev. And Safety Office	-12.1
HUB	-12.1
Estates and CD + Central Teaching	-9.8
VC, BPU, RSO and DARO	-8.8
Finance	-8.5
ABS	-5.5
Sports Aston	-1.4
Library	-1.1
LSS	2.1
LHS	2.2
Students' Union	4.7
Catering	4.8
ISA and AV	8.7
Aston Student Villages	9.9
EAS	15.6
Conference Aston	29.6



Action Pack - Auditing

▶ Welcome

▶ Go Green Champions

▶ Action Pack

▶ FAQs

▶ Contacts



Criteria: Auditing	Y / N	Comment / Actions	Completion Date	Points (Benefit x Achievability)
<p>1. Department has undertaken an audit of their area, identifying certain key areas for improvement. This can either be done independently or through audit days offered by the Go Green Team on 12th and 19th May.</p> <p><i>Departments that have previously carried out an audit will receive bonus points for showing continual improvement and having addressed things previously flagged up. An audit template is provided online.</i></p>			June 2014	4 x 4 (16)
<p>2. Department creates an Action Plan of items that are highlighted in the audit.</p> <p><i>A template for this is provided at the back of the Audit Template and further training can be provided by the Go Green Team as required.</i></p>			July 2014	4 x 4 (16)
<p>3. The Go Green Champion has taken part in the peer-auditing programme, teaming up with another department to conduct environmental assessments to check their performance and share ideas/best practice.</p> <p><i>The Energy, Environment & Sustainability team will provide contact details of a 'buddy' you can exchange ideas with. A template for the Peer Audit is available online.</i></p>			October 2014	4 x 3 (12)

The End

Andrew Bryers
a.bryers@aston.ac.uk

