

Energy and Water CoP Scope 3 and Devolved Energy Budgets

25th July 2016



Welcome to Aston

- ▶ <http://www.aston.ac.uk/about/estates/master-plan/>



Scope 3

- ▶ Scope 3 emissions are indirect emissions that organisations produce through their activities, but occur from sources not owned or controlled by the organisation. Examples of such activities include business travel, commuting, supply chain (procurement), waste and water.

Year	2014/15
	Tonnes CO2e
Business services	4,345
Paper products	1,981
Other manufactured products	1,766
Manufactured fuels, chemicals and glasses	291
Food and catering	3,869
Construction	3,933
technologies	1,160
Waste and water	295
Medical and precision instruments	975
Other procurement	1,073
Unclassified	0
Total	19,688

Year	2014/15
	Spend
Business services	£13,527,410
Paper products	£3,399,761
Other manufactured products	£1,895,556
Manufactured fuels, chemicals and glasses	£201,589
Food and catering	£2,890,384
Construction	£4,561,638
Information and communication technologies	£1,836,986
Waste and water	£185,914
Medical and precision instruments	£1,799,637
Other procurement	£2,655,189
Unclassified	£0
Total	£32,954,064

Group Discussion

- ▶ 11-11:30 – In groups discuss:
 - How do Universities report Scope 3
 - What do you report – anything you leave out i.e. construction waste; electric car charge points
 - Have you set any targets internal or public?

Feedback

- ▶ 11:45-12:15 – In groups discuss:
 - Anyone capture emissions differently? Could this be done i.e. how do you capture travel
 - Should we move to more accurate data for waste and water etc.? instead of costs?

Feedback



LUNCH

Tours Available

1. Quick tour of the European Bioenergy Research Institute Plant where they look at using different waste streams to fuel the plant
2. Hidden Space Tour – see the bowels of the Main Building a history of the CHP district heat network and then onto the roof to see one of our PV arrays and panoramic views of Birmingham



Devolved Energy Budgets

- ▶ University of Cambridge – Electricity Incentivisation Scheme (EIS)
- ▶ Under the Scheme, each department has been allocated a baseline for their annual electricity usage and costs. If the department uses less than this baseline over the year, then the difference is returned to them as a financial reward. If the department exceeds this baseline, they are issued a bill for the additional cost.
- ▶ <http://www.environment.admin.cam.ac.uk/what-are-we-doing/energy-and-carbon-management/electricity-incentivisation-scheme>



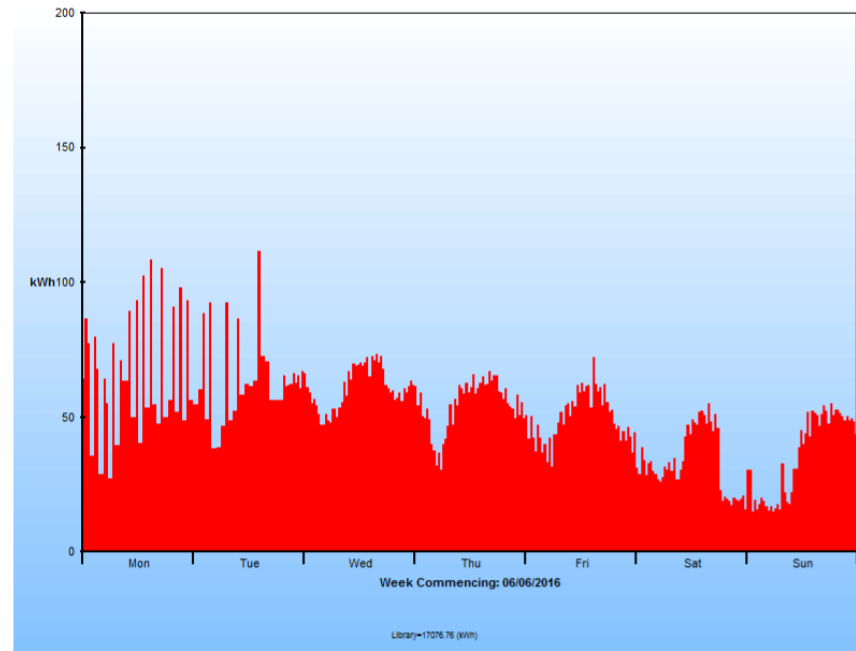
Aston's University

Library Services Electricity "Invoice" - June



Summary	Cost	kWh
Monthly Consumption	£6,312	63,123
Monthly Target	£7,694	76,938
Monthly Over/Under	-£1,382	- 13,815
Accumulative Over/Under	-£11,091	
Target for next month	£5,525	55,251

Month	Cost			
	Target	Accumulative Target	Actual	Accumulative Actual
August	£6,997	£6,997	£5,365	£5,365
September	£5,075	£12,072	£5,141	£10,506
October	£7,383	£19,455	£7,526	£18,031
November	£7,529	£26,984	£7,656	£25,687
December	£8,827	£35,811	£7,478	£33,166
January	£9,562	£45,373	£7,910	£41,076
February	£8,980	£54,353	£7,067	£48,143
March	£9,606	£63,959	£7,105	£55,248
April	£7,817	£71,776	£7,629	£62,877
May	£9,679	£81,455	£8,868	£71,744
June	£7,694	£89,148	£6,312	£78,057
July	£5,525	£94,674		



Did you know: The average UK person sends 330kg of waste to landfill or incineration each year and recycles just 170 kg. This causes 230kg of CO₂e to be emitted per year.

From: 'How Bad are Bananas?' by Mike Berners-Lee

For further details and/or advice on how to reduce consumption please email: environment@aston.ac.uk

Group Discussions

- ▶ 14:15 -15:00 – In groups discuss:
- ▶ What do other University's do as far as charging departments for their utilities?
- ▶ What would be the best way to recharge if at all – do you incentivise charging?
- ▶ How can people on board i.e. typical issues of labs use more than offices etc.

- ▶ 15:15 Wrap up and future topics

