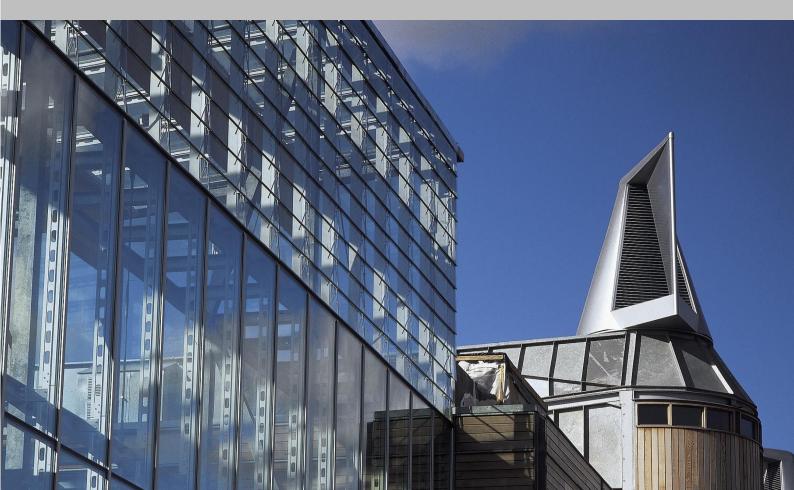


Annual Energy Report 2013/14

http://www.nottingham.ac.uk/sustainability



2013/14 Energy Report

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Executive Summary

The University has published an annual report showing trends in our energy and water usage every year since 1998. With the increasing attention on carbon emissions, some elements of this report have now been subsumed within the University's Carbon Management Plan (CMP) Annual Report 2013/14 which has been published and is available on the University's website¹. However, we will continue to produce the Energy and Water Report to allow direct comparison on the key areas of utility consumption and costs with earlier years.

External drivers:-

This year floor area rose by 0.5% and the weather was significantly milder (indicating a reduction in fossil fuel usage of 18% in a like for like situation).

Key statistics:-

- **Energy and water costs**, excluding taxes, fell 1% to £11.7 million in 20013/14, or £13.4 million including taxes.
- **Energy consumption** fell by 7.7%, largely as a result of decreasing gas usage. Gas usage fell by 13% whilst electricity usage was up by 1%.
- **Water usage** increased by 3% to 851,121 cubic metres.

Note that most figures relate to the University's financial year of August 1st 2013 to July 31st 2014, with the baseline for comparison being the previous (2012/13) financial year. Utilities continue to be procured via Notice Ltd, which is a wholly owned subsidiary of the University of Nottingham.

 $^{{\}color{red}^{1}} www.nottingham.ac.uk/sustainability$

Section 1 - Total Energy Report

1.A. - Energy and Water Costs Summary

Expenditure on energy and water reduced by 1% to £11.7 million in 20013/14, or £13.4 million including taxes. This was a combination of overall energy reductions of 8%, and energy prices that were on average higher than in 2012/13.

It was, however, a year of two distinct halves in terms of the cost of energy. Prices remained stubbornly high throughout the mild Autumn, but then began a steady downward path in January 2014 that only ended in July after reductions of around 20% had been seen in raw energy prices.

This meant our strategy of flexible energy purchasing allowed us to benefit from the market reductions in the second half of the year rather than locking in at the top of the market in January 2014. Savings of £500,000 on electricity and £209,000 on gas were achieved across the University financial year compared to the fixed contract rates that had been available at time of tender. Section 1.K shows that our energy costs per kWh are the second lowest in the Russell Group (2012/13 data).

Energy and Water Costs				Change
	2011/12	2012/13	2013/14	'12/13 to '13/14
University Park	£ 5,623,953	£ 6,350,320	£ 5,995,749	-6%
Sutton Bonington	£ 1,592,272	£ 1,819,106	£ 1,765,681	-3%
Jubilee Campus	£ 944,684	£ 1,094,625	£ 1,131,350	3%
Others	£ 630,104	£ 694,888	£ 672,626	-3%
Medical School	£ 1,414,000	£ 1,868,700	£ 2,098,000	12%
Total	£ 10,205,013	£11,827,640	£11,663,406	-1%

Figure 1.A.1 Table of energy and water costs for last 3 years split by campus.

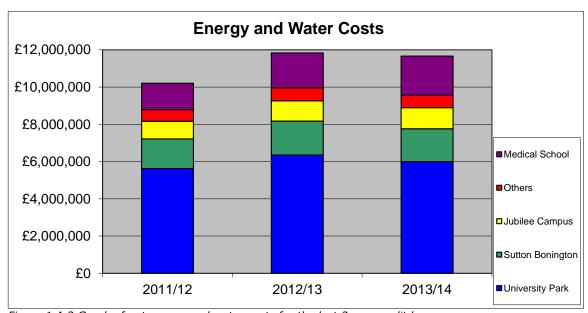


Figure 1.A.2 Graph of net energy and water costs for the last 3 years split by campus.

Note that these figures exclude VAT and Climate Change Levy, which are discussed on page 4.

1.B. - Utility costs per square metre for each Campus

Campus Costs		Cost/sq.m/annum					
	Floor Area	Electricity	Heating	Water	Total		
University Park	331,486	£10.77	£4.48	£2.84	£18.09		
Sutton Bonington	73,496	£14.22	£6.38	£3.42	£24.02		
Jubilee Campus	78,162	£8.52	£2.87	£3.08	£14.47		
Others	70,830	£5.29	£3.07	£1.14	£9.50		
Medical School	75,536	£8.62	£17.78	£1.38	£27.77		
Total	629,510	£10.02	£5.94	£2.57	£18.53		

Figure 1.B.1 Table of energy costs per square metre, split by campus.

The overall floor area increased by 0.5% from 2012/13.

Note that if taxes (VAT and CCL, see below) are taken into account, our average utility costs are now £21.70 per square metre per annum.

1.C - Climate Change Levy (CCL) and VAT

VAT costs paid by Notice Ltd on energy bills fell to £1.34 million in 2013/14, and CCL was down to £348,000, meaning that our energy taxes were down by 8% year on year.

The Climate Change Levy (CCL) was introduced in April 2001. On April 1st 2013 the rates rose 3.3% to 0.188p/kWh on gas and 3.2% to 0.541p/kWh on the electricity costs of all non-residential properties.

If the taxes were included in the total expenditure on utilities the totals can be seen below:-

		2013/14						
	Electricity	Fossil Fuels	Water	Totals	Totals			
Utility Costs	£ 6,307,457	£ 3,738,202	£ 1,617,747	£11,663,406	£11,827,640			
Climate Change Levy	£ 252,734	£ 94,941	-	£ 347,675	£360,694			
Value Added Tax	£ 891,838	£ 451,188	-	£ 1,343,026	£1,473,094			
Total	£ 7,452,030	£ 4,284,331	£ 1,617,747	£13,354,107	£13,661,428			

Figure 1.C.1 Table of energy and water costs including Climate Change Levy and Value Added Tax.

1.D - 2013/2014 Net Costs Broken Down by Campus and Utilities

Energy and Water Costs								
2013/14	E	Electricity	Fo	ssil Fuels		Water		Total
University Park	£	3,571,109	£	1,483,859	£	940,781	£	5,995,749
Sutton Bonington	£	1,045,379	£	469,169	£	251,132	£	1,765,681
Jubilee Campus	£	665,583	£	224,643	£	241,124	£	1,131,350
Others	£	374,386	£	217,531	£	80,709	£	672,626
Medical School	£	651,000	£	1,343,000	£	104,000	£	2,098,000
Total	£	6,307,457	£	3,738,202	£	1,617,747	£	11,663,406

Figure 1.D.1 Table of energy and water costs split by campus and by utility

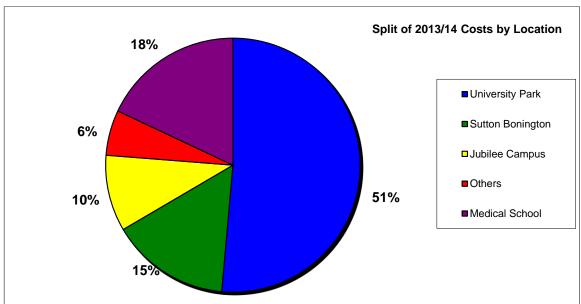


Figure 1.D.2 Chart of energy and water costs split by campus

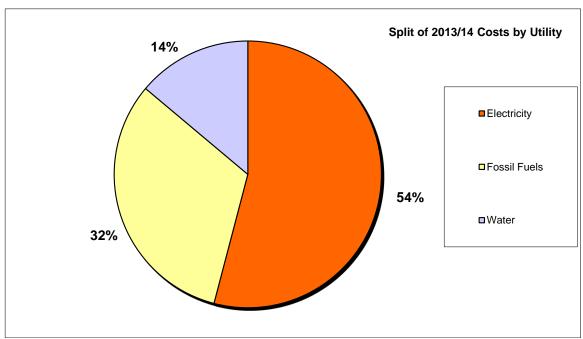


Figure 1.D.3 Chart of energy and water costs split by utility type

1.E - Energy Use Summary

The overall consumption of energy fell by 7.7%. This was a combination of a basically unchanged electricity consumption combined with a gas reduction of 13%. The very mild weather would have indicated a reduction of 18% in gas usage in a like for like situation. Floor area was only up by 0.5% in the year.

An example of the progress that has been made is shown by looking at total energy consumption at University Park, which has been relatively stable in terms of new development. At this site energy consumption is now 6.1 MWh per annum below the 2005/6 level of 109,088 MWh per annum, a reduction of 5.6%

Energy reduction measures are currently being targeted at the Medical School, which this year only showed a reduction of 3.7%. As this site is made more energy efficient over the next couple of years, the annual changes in consumption should be better than those for the other sites.

Energy Consumption	MWh	MWh	MWh	Change
	2011/12	2012/13	2013/14	'12/13 to '13/14
University Park	109,770	113,056	102,959	-8.9%
Sutton Bonington	28,205	33,415	31,205	-6.6%
Jubilee Campus	14,547	17,315	16,165	-6.6%
Others	12,746	14,201	12,420	-12.5%
Medical School	34,508	36,329	34,987	-3.7%
Tot	t al 199,776	214,315	197,736	-7.7%

Figure 1.E.1 Table of energy usage for the last 3 years split by campus.

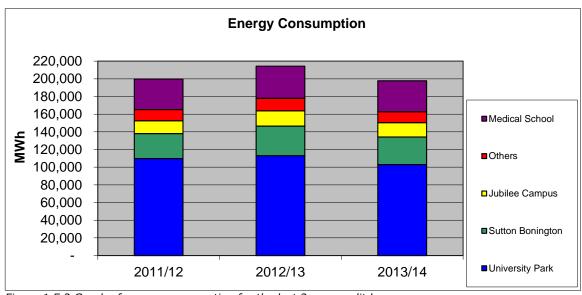
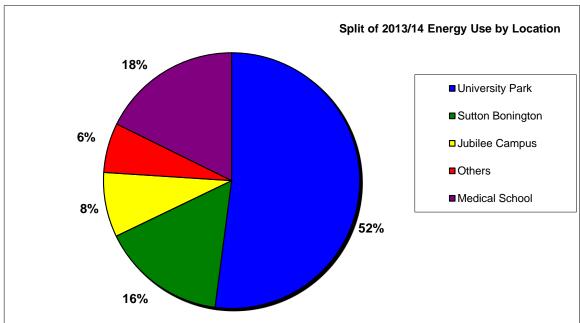


Figure 1.E.2 Graph of energy consumption for the last 3 years split by campus

1.F - Energy Use Breakdown by Campus and Utilities

Energy Consumption	MWh	MWh	MWh
2013/2014	Electricity	Fossil Fuels	Total
University Park	46,041	56,918	102,959
Sutton Bonington	13,280	17,924	31,205
Jubilee Campus	8,118	8,046	16,165
Others	4,640	7,780	12,420
Medical School	9,624	25,363	34,987
Total	81,704	116,032	197,736

Figure 1.F.1 Table of energy consumption split by campus and by utility



Split of 2013/14 Energy Use by Fuel Type

41%

Fossil Fuels

Figure 1.F.3 Pie chart of energy consumption split by utility type.

Note: Our 'fossil fuels' are over 99% gas

1.G - Energy Usage and Cost Comparison with Gross Premises Area

	2010/11	2011/12	2012/13	2013/14	Change
Floor Area (sq.m.)	584,617	605,328	626,560	629,510	0.5%
Annual Energy Usage (MWh)	201,380	199,776	214,315	197,736	-7.7%
Energy Usage Per sq. m. (kWh/m2)	344	330	342	314	-8.2%

Figure 1.G.1 Table of last four years energy usage and floor area.

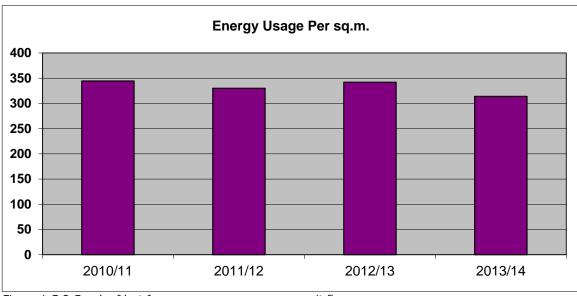


Figure 1.G.2 Graph of last four years energy usage per unit floor area.

Note that energy consumption was $425kWh/m^2$ back in 2004/5, and still at $396 \, kWh/m^2$ in 2007/8.

	2010/11	2011/12	2012/13	2013/14	Change
Floor Area (sq.m.)	584,617	605,328	626,560	629,510	0.5%
Gross Energy and Water Costs	£10,627,000	£11,797,000	£13,661,000	£13,354,107	-2.2%
Utility Cost Per sq. m.	£ 18.18	£ 19.49	£ 21.80	£ 21.21	-2.7%

Figure 1.G.3 Table of last four year gross energy and water costs and floor area (excluding taxes).

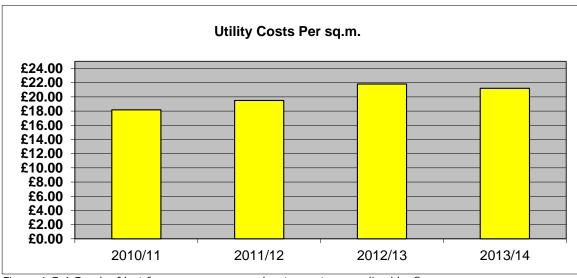


Figure 1.G.4 Graph of last four years energy and water costs normalised by floor area.

1.H - Energy Usage and Cost per UK Student

	2010/11	2011/12	2012/13	2013/14	Change
UK Student Numbers	32,999	34,076	33,944	33,369	-1.7%
Annual Energy (MWh)	201,380	199,776	214,315	197,736	-7.7%
Energy / Student (kWh)	6,103	5,863	6,314	5,926	-6.1%

Figure 1.H.1 Table of last four years energy usage and all student numbers.

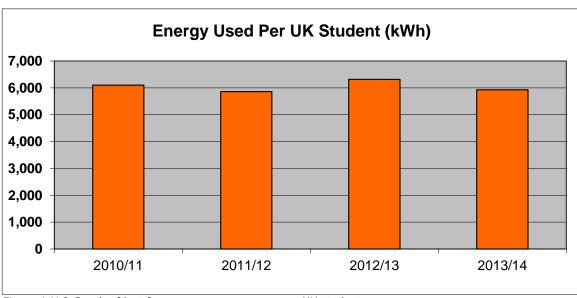


Figure 1.H.2 Graph of last four years energy usage per UK student.

	2010/11	2011/12	2012/13	2013/14	Change
UK Student Numbers	32,999	34,076	33,944	33,369	-1.7%
Energy and Water Costs	£10,627,000	£11,797,000	£13,661,000	£13,354,107	-2.2%
Utility Costs / Student	£ 322.04	£ 346.20	£ 402.46	£ 400.20	-0.6%

Figure 1.H.3 Table of last four years gross energy and water costs and full-time student numbers.

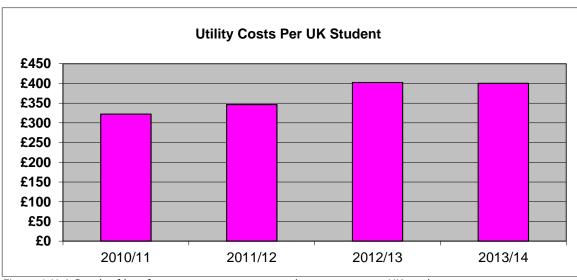


Figure 1.H.4 Graph of last four years gross energy and water costs per UK student.

Note: The statistics on student numbers exclude students not currently studying in Nottingham.

1.I - Utility Costs as a Proportion of University Expenditure

%age of Expenditure									Change
(£ 000)		2010/11	• 1	2011/12	- 2	2012/13		2013/14	
Utility Costs inc. taxes	£	10,627	£	11,797	£	13,661	£	13,354	-2.2%
University Expenditure	£	479,000	£	500,300	£	539,400	£	545,900	1.2%
Percentage		2.22%		2.36%		2.53%		2.45%	-3.4%

Figure 1.I.1 Table of last four years gross energy and water costs (including taxes) and total University expenditure.

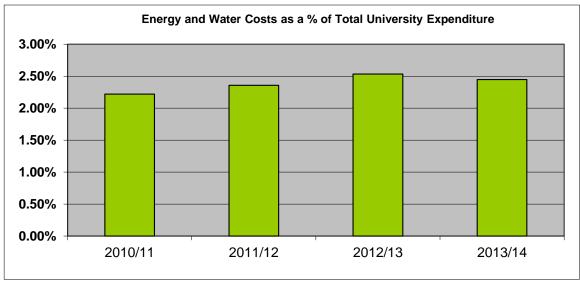


Figure 1.I.2 Graph of last four years gross energy and water costs normalised by total University turnover.

1.J - The Carbon Reduction Commitment Energy Efficiency Scheme

Costs from the CRC Energy Efficiency Scheme are not included in the other figures in this report, because the scheme operates on an April to March year, costs are not levied on utility bills, and the Scheme operates on a slightly different subset of properties. However, the results of the third full year of the scheme (April 2013 to March 2014) are listed below.

Under the Scheme, our emissions were reported as 55,148 Tonnes of CO2 (down 1.2% from 55,796 in the previous year). Each tonne of CO2 emitted needs to be covered by an 'allowance', which costs £12. The University therefore purchased 55,148 allowances for a cost of £661,776.

Note that this cost, averaged out across our total energy consumption, equates to 0.335p/kWh.

1.K - Energy Costs Comparison to Russell Group Universities - 2012/13

The statistics in the next four tables provide a range of comparators to other major Universities, as reported in the EMS returns for 2012/13. Note that this is the most recent year where data is available for comparison, but runs one year behind the other information presented in this report.

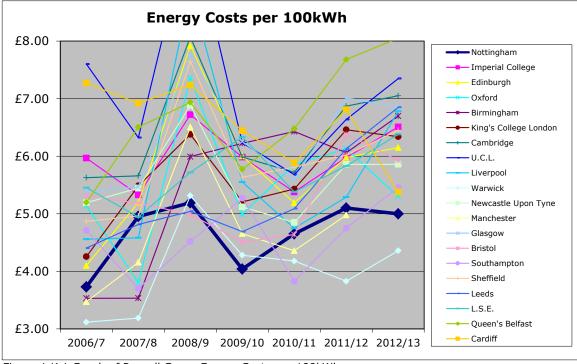


Figure 1.K.1 Graph of Russell Group Energy Costs per 100kWh.

The graph above indicates that our energy prices are the second lowest within the Russell Group, due to our flexible energy purchasing strategy.

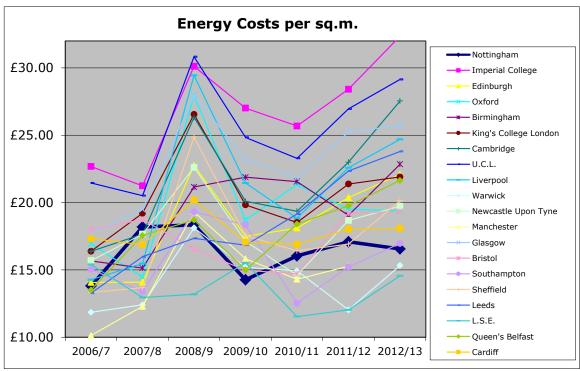


Figure 1.K.2 Graph of Russell Group Energy Costs square metre

1.L - Energy Efficiency Comparison to Russell Group Universities - 2012/13

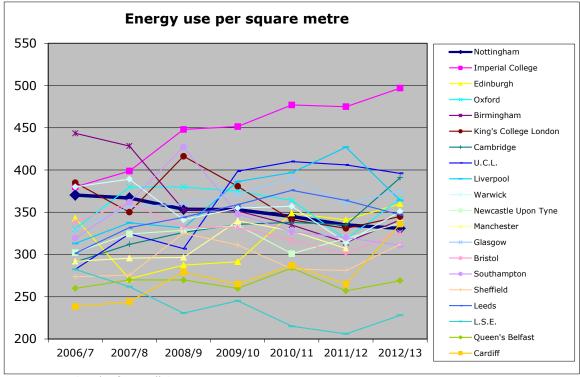


Figure 1.L.1 Graph of Russell Group Energy use per square metre.

The graphs on this page indicate that Nottingham's energy consumption per square metre and energy use per student are better than average within the Russell Group.

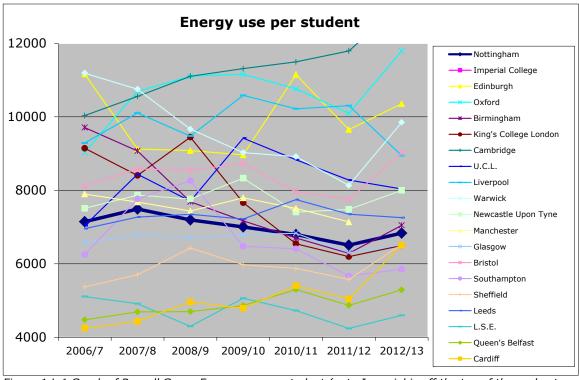


Figure 1.L.1 Graph of Russell Group Energy use per student (note Imperial is off the top of the scale at around 16,000kWh/student).

Section 2 - Electricity, Gas and Water data

2.A - Electricity Consumption

Electricity consumption edged up another 1% year on year. Floor area increased by only 0.5% over the period, but several other buildings were completing their first full year of occupancy, meaning that underlying electricity consumption has now basically levelled off.

The largest percentage increase was at Jubilee Campus, where the new HV supply feeding Energy Technologies Building, Aerospace Technologies, Institute of Mental Health and Romax Building showed an increase of 376MWh, almost half of the total overall increase seen for all sites.

Electricity Consumption	MWh	MWh	MWh	Change
	2011/12	2012/13	2013/14	'12/13 to '13/14
University Park	45,058	46,022	46,041	0.0%
Sutton Bonington	12,557	13,277	13,280	0.0%
Jubilee Campus	7,323	7,605	8,118	6.7%
Others	4,585	4,537	4,640	2.3%
Medical School	9,642	9,457	9,624	1.8%
Total	79,165	80,898	81,704	1.0%

Figure 2.A.1 Table of electricity usage for the last 3 years split by campus.

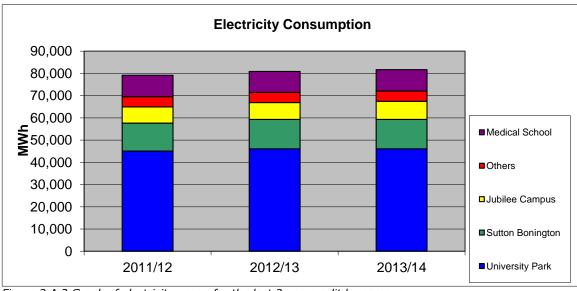


Figure 2.A.2 Graph of electricity usage for the last 3 years split by campus.

See Appendix A for a detailed breakdown of consumption on an account by account basis.

2.B - Electricity Costs

The University continued with the flexible purchasing policy first adopted in October 2005, by renewing our contract with GDF Suez Energy in January 2014. This policy allows us to buy electricity when we feel the market price is good value.

Electricity prices for large annual contracts remained consistently high until February 2014 when a steady fall totalling about 15% occurred through to July 2014. This gave significant cost savings during the second half of the year.

At University Park, the average price paid per kWh of electricity across the year including all standing charges, rose from 7.60p/kWh in 2012/13 to 7.76p/kWh, a rise of 2.1%. Fixed costs rose again, with the charge to pay for the feed in tariff now standing at 0.429p/kWh, or £350,000 in total per annum.

The University's 'sub-100kW' sites (representing 36 smaller properties, such as the sports grounds) was tendered back in January 2014, and the contract was won by Southern Electric for two years, with prices increasing by around 15%. Day kWh typically increased from 9.56p/kWh to 11.09p/kWh.

Electricity Costs							Change
		2011/12		2012/13		2013/14	'12/13 to '13/14
University Park	£	3,152,484	£	3,495,825	£	3,571,109	2%
Sutton Bonington	£	905,438	£	1,024,801	£	1,045,379	2%
Jubilee Campus	£	542,007	£	611,983	£	665,583	9%
Others	£	355,195	£	333,025	£	374,386	12%
Medical School	£	640,000	£	604,800	£	651,000	8%
Tota	I £	5,595,124	£	6,070,434	£	6,307,457	4%

Figure 2.B.1 Table of net electricity costs (excluding taxes) for the last 3 years split by campus.

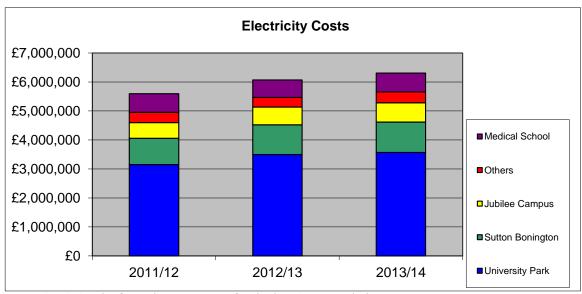


Figure 2.B.2 Graph of net electricity costs for the last 3 years split by campus.

2.C - Fossil Fuel Consumption

Consumption of fossil fuels dropped by an impressive 13%, but the extremely mild weather predicted a fall of 18% in a like-for-like situation. Total floor area increased by only 0.5% in the year, although a number of buildings – such as the Orchard Hotel, up 34% - were still only recording their first full year of energy consumption.

The overall figures were affected by the relatively poor performance of the Medical School, down only 5.6%. A significant portion of this energy usage is actually steam used for cooling purposes, which would be unaffected or even adversely affected by the warmer weather. Efforts are being concentrated on the Medical School, and it is to be expected that we should see significant reductions in energy usage there over the next couple of years.

Fossil Fuel Consumption	MWh	MWh	MWh	Change
	2011/12	2012/13	2013/14	'12/13 to '13/14
University Park	64,712	67,034	56,918	-15.1%
Sutton Bonington	15,649	20,138	17,924	-11.0%
Jubilee Campus	7,223	9,710	8,046	-17.1%
Others	8,161	9,663	7,780	-19.5%
Medical School (Steam)	24,866	26,872	25,363	-5.6%
Total	120,611	133,417	116,032	-13.0%

Figure 2.C.1 Table of fossil fuel usage for the last 3 years split by campus.

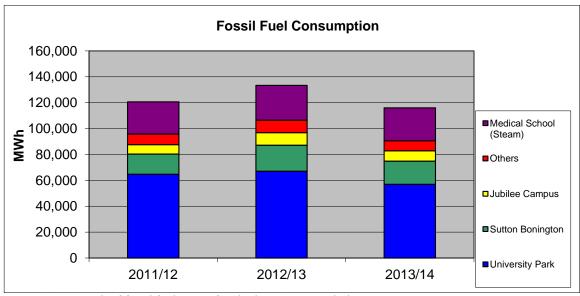


Figure 2.C.2 Graph of fossil fuel usage for the last 3 years split by campus.

See Appendix B for additional information showing a detailed breakdown of consumption on each account.

2.D - Fossil Fuel Costs

The University continued with the flexible purchasing policy first adopted in October 2005, by renewing our contract with GDF Suez Energy in January 2014. This meant that we were able to continue to purchase gas in monthly tranches at opportune times, or use the day-ahead market.

Gas prices remained high until February 2014, and then drifted gradually down by about 20% by July 2014, giving some useful savings in the second half of the financial year. At University Park, the average price paid over a full year reduced by 3% from 2.69 to 2.61p/kWh between 2012/13 and 2013/14.

Costs at the Medical School – actually a pass-through charge for steam rather than gas – again disproportionately affected the overall figures below, with the cost of a kWh increasing by 23% from 4.32 to 5.3kWh.

Fossil Fuel Costs							Change
		2011/12		2012/13		2013/14	'12/13 to '13/14
University Park	£	1,537,595	£	1,803,024	£	1,483,859	-18%
Sutton Bonington	£	401,121	£	551,936	£	469,169	-15%
Jubilee Campus	£	182,951	£	276,323	£	224,643	-19%
Others	£	211,246	£	285,090	£	217,531	-24%
Medical School (Steam)	£	660,000	£	1,160,700	£	1,343,000	16%
Total	£	2,992,912	£	4,077,072	£	3,738,202	-8%

Figure 2.D.1 Table of net fossil fuel costs (excluding VAT and CCL) for the last 3 years split by campus.

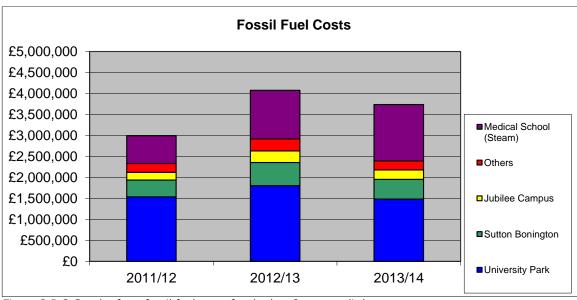


Figure 2.D.2 Graph of net fossil fuel costs for the last 3 years split by campus.

2.E - Water Consumption

Overall water consumption was up by 3% to 851,121 cubic metres. However, analysis of the figures shows that the apparent increases at Sutton Bonington and Jubilee Campus were due to under-reporting in 2012/13. Rebilling later increased the figures for that year, showing that they should really have been some 28,439 cu.m. higher, giving an overall total of 852,142 for 2012/13.

Although our water consumption is now over 100,000 cubic metres per annum less than it was ten years ago, there are still significant reductions that should be achievable in this area.

Water Consumption	cubic m.	cubic m.	cubic m.	Change
	2011/12	2012/13	2013/14	'12/13 to '13/14
University Park	507,199	539,502	543,286	1%
Sutton Bonington	169,280	138,312	153,525	11%
Jubilee Campus	98,213	78,425	87,061	11%
Others	18,557	19,290	20,150	4%
Medical School	46,009	48,175	47,100	-2%
Total	839,258	823,703	851,121	3%

Figure 2.E.1 Table of water usage for the last 3 years split by campus.

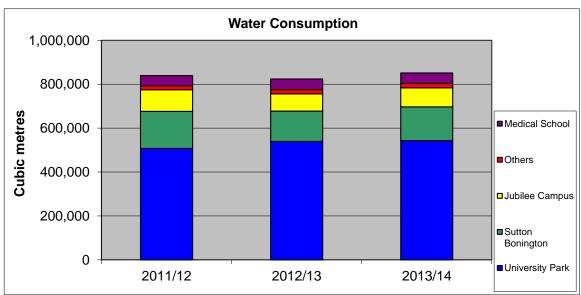


Figure 2.E.2 Graph of water usage for the last 3 years split by campus.

See Appendix C for a detailed breakdown of consumption on an account by account basis.

2.F - Water Costs

Severn Trent Water's annual price rises occur in April of each year, and in 2014 averaged less than 5% for the second year running.

The price of water supplied increased by 0.07% in April 2013, up from 102.46 p/m³ to 102.53p/m³ in summer for large sites such as University Park. The winter rate for large sites was up by the same percentage, from 54.89/m³ to 54.93 p/m³. Rates for used water at large sites were up 4.6%, from 90.93p/m³ to 95.11 p/m³. Charges for the surface water drainage element, which is based on site area, were up by 3.1%, for example up from £114,996 per annum to £118,608 at University Park.

Water Costs							Change
		2011/12		2012/13		2013/14	'12/13 to '13/14
University Park	£	933,874	£	1,051,472	£	940,781	-11%
Sutton Bonington	£	285,713	£	242,369	£	251,132	4%
Jubilee Campus	£	219,726	£	206,320	£	241,124	17%
Others	£	63,663	£	76,773	Œ.	80,709	5%
Medical School	£	114,000	£	103,200	£	104,000	1%
Total	£	1,616,976	£	1,680,134	£	1,617,747	-4%

Figure 2.F.1 Table of water costs for the last 3 years split by campus.

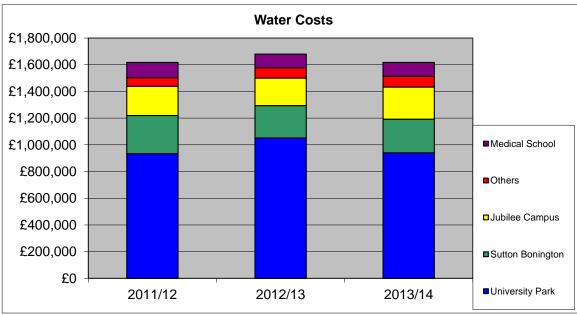


Figure 2.F.2 Graph of water costs for the last 3 years split by campus.

Section 3 - Environmental Considerations

3.A - Weather Data - Degree Days

After the very chilly year of 2012/13, 2013/14 was a complete reversal, with only November being cooler than the previous year, and the Winter and Spring were particularly warm. In the last twenty years, only 2005/6 was warmer (1852 degree days), and the year on year increase is by far the biggest in the period (2006/7 was the next greatest with just a 12.7 % increase in degree days on the previous year).

Degree days are determined by comparing the mean daily temperature to a set temperature, in this case 15.5 Celsius. For instance, a day where the outside temperature averaged 5.0C would be counted as 10.5 degree days. The values are summated over a calendar month and the total provides a reasonably accurate guide as to the relative heating load that should be required. For the purposes of this report, 75% of the change in degree days has been used, as production of domestic hot water typically accounts for about 25% of usage.

2013/14	Deg. Days	Deg. Days	Deg. Days	Deg. Days	'12/13to'13/14
	20 Yr Avg	2011/12	2012/13	2013/14	Change
Aug	34	38	23	21	-8.7%
Sep	74	39	95	80	-15.8%
Oct	159	101	190	107	-43.7%
Nov	266	180	267	276	3.4%
Dec	339	297	332	278	-16.3%
Jan	353	313	369	307	-16.8%
Feb	304	324	353	261	-26.1%
Mar	279	235	412	248	-39.8%
Apr	212	251	238	158	-33.6%
May	134	143	154	110	-28.6%
Jun	70	75	70	43	-38.6%
Jul	34	39	15	18	20.0%
Total	2,258	2,035	2,518	1,907	-24.3%
			Weather mod	lifier (75%)	-18.2%

Figure 3.A.1 Table showing last 3 years monthly degree days and average degree days

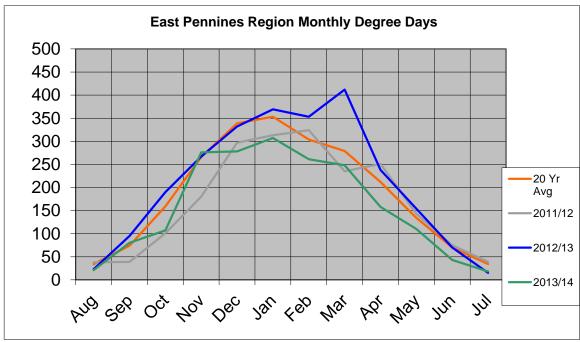


Figure 3.A.2 Graph showing last three years monthly degree days and average degree days

3.B - Changes since Base Year (2009/10)

The table below shows that new buildings were responsible an increase of 8.1% in our energy use in 2013/14.

	Units	University	New	% due to
		Total '13/14	Buildings	new build
2.A Electricity Consumption	MWh	81,704	7,786	10.5%
2.C Fossil Fuel Consumption	MWh	116,032	7,074	6.5%
1.E Energy Use Total	MWh	197,736	14,860	8.1%
2.E Water Consumption	cu.m.	851,121	32,650	4.0%
1.A Energy & Water Costs	£	£11,663,406	£413,007	3.7%
1.G Floor Area	m ²	629,510	64,268	11.4%

Figure 3.D.1 Table showing effect of new buildings on key parameters.

A full breakdown of energy consumption in new buildings on a building-by-building basis is shown on the next page in Appendix 4A.

3.C University Renewable Energy Generation

Building		Туре		Annual Production
				(kWh)
Dearing		PV		6,641
Business Sch North		PV		14,000
Computer Sciences		PV		7,500
Derby Hall		PV		54,460
Lincoln Hall		PV		55,197
Si Yuan Chinese Studies		PV		8,899
Aerospace Technology		PV		11,435
Environmental Education Centre		PV		12,000
Sustainable Research Building		PV		8,000
Veterinary School		PV		127,000
	Total			305,132
Rutland & Sherwood Hall		Solar therma	 	13,120
Si Yuan Chinese Studies		Solar therma		2,300
Geospatial		Biomass		60,000
BioEnergy		Biomass		150,000
	Total			225,420

Figure 3.E.1 Table showing University renewable energy generation.

Note that the biomass production is included in the rest of the report as the fuel is ordered in from outside; solar generation is effectively hidden from the rest of the report as it takes place within the relevant buildings. A true figure for energy used in buildings should add back in the solar PV and solar thermal figure.

Section 4 - Appendices

4.A - Appendix A - Buildings constructed since 2009/10

New Sites		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	Floor Area
Main Campus		Elec kWh	Gas kWh	Water m3	Elec CO2	Gas CO2	Cost £	
Engineering Science Learning Centi	1661	380,886	654,500	820	206	120	£48,738	3,511
Humanities	1671	346,877	31,965	556	188	6	£29,808	4,303
(2) Orchard Hotel	1681	1,221,826	1,620,064	11,776	661	297	£158,335	9,509
Mathematical Sciences	1561	405,587	655,350	957	219	120	£50,960	4,674
New eco-houses		50,000	8,566	200	27	2	£4,861	526
	Totals	2,405,176	2,970,445	14,309	1,301	545	£292,702	22,523
New Sites		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	Floor Area
Sutton Bonington		Elec kWh	Gas kWh	Water m3	Elec CO2	Gas CO2	Cost £	
Bio-energy and Brewing Sciences	5781	691,147	562,939	3,892	374	103	£78,344	3,493
Bio-energy BIOMASS	5781		150,000	0	0	6	£7,600	(
Gateway Building	5771	877,225	430,014	1,495	475	79	£88,477	3,25
Gustafson Glasshouse		86,757	341,950	400	47	63	£14,545	400
Future Crop Glasshouses	5445	156,402	214,296	400	85	39	£21,098	312
	Totals	1,811,531	1,699,199	6,187	980	290	£210,065	7,45
New Sites		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	Floor Area
Jubilee Campus		Elec kWh	Gas kWh	Water m3	Elec CO2	Gas CO2	Cost £	1100171100
(1) 6 Triumph Road	7405	56,178	41,214	271	30	8	£8,763	324
(1) 9 Triumph Road	7400	66,724	0	3,094	36	0	£18,889	399
(1) Institute of Mental Health	7370	251,673	303,860	300	136	56	£31,929	3,074
Yang Fujia (International House)	7320	410,000	0 303,000	2,173	222	0	£36,305	3,400
Starbuck's Café	7305	81,723	22,506	80	44	4	£7,359	151
The Amenities Building	7330	420,000	348,284	2,445	227	64	£53,440	2,365
Nottingham Geospatial Bulding	7350	345,015	112,990	492	187	21	£31,738	2,944
Geospatial BIOMASS	7350	343,013	60,000		0	2	£3,500	2,54-
(1) Sir Colin Campbell Building	7340	700,000	131,599	1,306	379	24	£64,578	4,534
Energy Technologies Building	7360	413,750	438,466	781	224	81	£51,922	3,177
(1) Romax Building	7390	160,000	32,167	50	87	6	£13,587	2,950
Aerospace Technology Centre	7380	314,683	320,691	137	170	59	£39,132	1,934
Si Yuan Centre for Chinese Studies		113,810	74,119	100	62	14	£15,121	2,078
31 Tuan Centre for Chinese Studies	Totals	3,333,556	1,885,896	11,229	1,803	338	£376,263	27,330
New Sites		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	Floor Area
Others		Elec kWh	Gas kWh	Water m3	Elec CO2	Gas CO2	Cost £	
Clinical Sciences City Hosp Ph2	3325	90,555	84,441	92	49	16	£7,289	2,000
Derby School of Nursing	3571	84,632	250,000	213	46	46	£10,200	1,996
522 Derby Road	7420	27,131	0	0	15	0	£5,578	950
Unit 4 Easter Park	6931	0	59,833	220	0	11	£5,171	1,188
Vaughan Parry Williams Pav.	6314	33,568	124,485	400	18	23	£8,506	823
	Totals	235,886	518,759	925	128	95	£36,744	6,95
New Sites		2013/14	2013/14	2013/14	2013/14	2013/14	2013/14	Floor Area
Main Campus		Elec kWh	Gas kWh 2,970,445	Water m3	Elec CO2	Gas CO2 545	Cost £ 292,702	22,52
		2,405,176		14,309	1,301			,
Sutton Bonington		1,811,531	1,699,199	6,187	980	290	210,065	7,45
Jubilee Campus		3,333,556	1,885,896	11,229	1,803	338	376,263	27,33
Others		235,886	518,759	925	128	95	36,744	6,957
		7,786,149	7,074,299	32,650	4,212	1,268	£413,007	64,2

Note that some of the buildings listed above have not yet been operational for a full year.

On these data tables, the following notes apply:-

- (1) University of Nottingham Innovation Park assets
- (2) East Midland Conference Centre Ltd assets

4.B - Appendix B - Electricity Data

Electricity Invoices Main Campus		2013/14 kWh	2012/13 kWh	% change kWh	2013/14 £	2012/13 £	% change £	
Main Campus HV Supply	1000	46,015,070	45,982,913	0%	£3,568,309	£3,491,940	2%	
Lenton Lodge	2251	10,000	22,200	-55%	£1,000	£2,050	-51%	
Lenton Eaves (UNSSC) (1)	1461	10,000	1,000	900%	£1,000	£200	400%	
Lenton Eaves (UNSSC) (2)	1461	4,000	15,000	-73%	£500	£1,500	-67%	Jul 14 est
Redcourt Lodge	2222	2,000	400	400%	£300	£135	122%	Jul 14 est
East Midlands Conference Centre	1481	1,394,547	1,603,466	-13%				Inc. in 'Main Campus HV'
Orchard Hotel	1681	1,221,826	902,315	35%				Inc. in 'Main Campus HV'
Conference Centre Cottage	1482	5,400	5,400	0%				Inc. in 'Main Campus HV'
Total of 5 accounts	Totals	46,041,070	46,021,513	0%	£3,571,109	£3,495,825	2%	
Electricity Invoices Sutton Bonington		2013/14 kWh	2012/13 kWh	% change kWh	2013/14 £	2012/13 £	% change	
Sutton Bonington Campus	6800	12,561,046	12,535,759	0%	977,085	958,370	2%	
New Dairy	6500	602,339	630,000	-4%	55,041	54,000	2%	
Melton Lane Building A	5433	27,823	37,000	-25%	2,650	3,400	-22%	
St.Michael's House (Flats 1-5)	6841	23,125	17,000	36%	2,382	1,803	32%	
45 College Road	6815	12,680	105	3070	1,350	110	32 70	
Bunny Park Farm	6860	10,984	13,200	-17%	1,195	1,350	-11%	
St.Michael's Flats Nos 8&9	6843	8,335	9,776	-15%	1,137	1,186	-4%	
Eviton House (68 College Road)	5891	7,800	650	1370	732	170	331%	
St.Michael's Flats Nos 6&7	6842	7,000	3,800	85%	1,013	690	47%	
St. Michael's Close (Flats 10-15)	6840	5,610	5,600	0%	744	800	-7%	
New Dairy Herdsman's House	6500	4,800	4,200	14%	550	500	10%	
24 College Road	6805	4,400	5,800	-24%	550	560	-2%	
44 College Road	6814	3,100	2,000	55%	400	300	33%	
40 College Road	6811	950	6,600	-86%	170	700	-76%	
50 College Road	6819	350	5,700	-94%	150	650	-77%	
Manor Farm Pump House Kingsto		0	0,700	5470	114	109	5%	
Manor Farm Soar Irrigation Pump		0	0	-	115	103	12%	
Total of 19 accounts	Totals	13,280,362	13,277,190	0%	£1,045,379	£1,024,801	2%	
Total of 19 accounts	Totals	13,200,302	13,277,190	076	£1,045,579	£1,024,001	276	
Electricity Invoices Jubilee Campus		2013/14 kWh	2012/13 kWh	% change kWh	2013/14 £	2012/13 £	% change £	
Jubilee Campus Main HV Supply	7000	5,976,858	5,817,989	3%	£472,512	£448,189	5%	
New HV Supply 2012, E.of Triump		1,062,627	686,327	55%	£92,739	£63,668	46%	Romax + new building
Newark & Southwell Halls	7000	617,191	658,680	-6%	£53,021	£54,976	-4%	
Jubilee Sports Centre + Starbuck'		324,919	328,567	-1%	£30,352	£30,510	-1%	
9 Triumph Road (ex Dairy Crest S		66,724	41,398	61%	£9,881	£7,889	25%	
6 Triumph Rd (ex Dairy Crest, opp		56,178	66,267	-15%	£5,578	£6,081	-8%	
Charnock Ave Sports Pavilion	7201	14,000	6,000	133%		£670	124%	Jul '14 est
Sii Collii Carrippeli Bullding	7340			3%	£1,500	2070		
Sir Colin Campbell Building Institute of Mental Health	7340 7370	590,000 251,673	570,949 246,622	3% -				Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
	7340	590,000	570,949		£665,583	£611,983	9%	Inc. in 'J.C. Main Supply'
Institute of Mental Health Total of 7 accounts Electricity Invoices	7340 7370	590,000 251,673 8,118,497 2013/14	570,949 246,622 7,605,227 2012/13	3% - 7% % change	£665,583 2013/14	£611,983 2012/13	9% % change	Inc. in 'J.C. Main Supply'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others	7340 7370 Totals	590,000 251,673 8,118,497 2013/14 kWh	570,949 246,622 7,605,227 2012/13 kWh	3% - 7% % change kWh	£665,583 2013/14 £	£611,983 2012/13 £	9% % change £	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus	7340 7370 Totals 6901	590,000 251,673 8,118,497 2013/14 kWh 2,130,394	570,949 246,622 7,605,227 2012/13 kWh 2,141,983	3% - 7% % change kWh -1%	£665,583 2013/14 £ £165,970	£611,983 2012/13 £ £160,215	9% % change £ 4%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School	7340 7370 Totals 6901 3561	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478	3% - 7% % change kWh -1% 8%	£665,583 2013/14 £ £165,970 £100,565	£611,983 2012/13 £ £160,215 £92,478	9% % change £ 4% 9%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital)	7340 7370 Totals 6901 3561 3325	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796	3% - 7% % change kWh -1% 8% 1%	£665,583 2013/14 £ £165,970 £100,565 £87,327	£611,983 2012/13 £ £160,215 £92,478 £64,210	9% % change £ 4% 9% 36%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School	7340 7370 Totals 6901 3561 3325	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478	3% - 7% % change kWh -1% 8%	£665,583 2013/14 £ £165,970 £100,565	£611,983 2012/13 £ £160,215 £92,478	9% % change £ 4% 9%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground	7340 7370 Totals 6901 3561 3325 t 3325 6311	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,777,478 1,015,796 86,727 46,722	3% - 7% % change kWh -1% 8% 1% 4% -4%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497	9% % change £ 4% 9% 36% 52% 1%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727	3% - 7% % change kWh -1% 8% 1% 4%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742	£611,983 2012/13 £ £160,215 £92,478 £64,210 £5,089	9% % change £ 4% 9% 36% 52%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground	7340 7370 Totals 6901 3561 3325 t 3325 6311	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,777,478 1,015,796 86,727 46,722	3% - 7% % change kWh -1% 8% 1% 4% -4%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497	9% % change £ 4% 9% 36% 52% 1%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000	3% - 7% % change kWh -1% 8% 1% 4% -4%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000	9% % change £ 4% 9% 36% 52% 1% 3%20%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells)	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321 7420	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 27,131	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000	3%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000	9% change £ 4% 9% 36% 52% 1% 3%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospital) Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 27,131 14,600	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0	3% - 7% % change kWh -1% -1% -1% -4% -4% -23% -4% -28%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £0,000 £0 £1,750	9% % change £ 4% 9% 36% 52% 1% 3%20%	Inc. in 'I.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321 7420 6122 6121 6123	2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 2,7,131 14,600 4,600	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800	3% 7% % change kWh -1% 8% 1% 4% -4% 0% -23% -4%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £1,750 £530	9% % change £ 4% 9% 36% 52% 1% 3%20% 0%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospital) Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm	7340 7370 Totals 6901 3561 3325 t 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 27,131 14,600 4,600 2,800 0	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,777,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 3,900	3% - 7% % change kWh -1% 8% 1% 4% -4% -23% -4% -28% -100%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £0 £1,750 £530 £450	9% % change £ 4% 9% 36% 52% 1% 3%20% 0% -18%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012'
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm 14-22 Shakespeare Street - SOLI	7340 7370 Totals 6901 3561 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 27,131 14,600 4,600 2,800 0	2012/13 kWh 2,141,983 1,77,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 3,900 6,826	3% - 7% % change kWh -1% -1% -1% -1% -4% -4% -23% -4% -28% -100%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370 £0	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £1,750 £530 £450 £729	9% % change £ 4% 9% 36% 52% 1%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012' So So So So
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospital) Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm 14-22 Shakespeare Street - SOLD Total of 11 accounts	7340 7370 Totals 6901 3561 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 34,000 27,131 14,600 4,600 0 0 4,640,204	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 3,900 6,826 0	3% - 7% % change kWh -1% -1% -1% -4% -4% -4% -23% -4% -28% -100% 2%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370 £0 £0	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £0 £1,750 £530 £450 £729 £77 £333,025	9% % change £ 4% 9% 36% 52% 1% 3%20% 0% -18% -100% -100%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012' So
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm 14-22 Shakespeare Street - SOLI 8 Peachey Street - SOLD Total of 11 accounts Electricity Invoices	7340 7370 Totals 6901 3561 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 27,131 14,600 4,600 2,800 0 0 4,640,204	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 0 6,826 0 4,537,232	3% - 7% % change kWh -1% -1% -1% -1% -1% -4% -4% -23% -4% -28% -100% -28% -100% 2%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370 £0 £0 £374,386	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £1,750 £530 £450 £729 £77 £333,025	9% % change £ 4 % 9% 36% 52% 1%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012' Sol
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm 14-22 Shakespeare Street - SOLD Total of 11 accounts Electricity Invoices Medical School	7340 7370 Totals 6901 3561 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 27,131 14,600 4,600 2,800 0 0 4,640,204	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 3,900 6,826 0 4,537,232	3% - 7% % change kWh -1% -1% -1% -1% -1% -4% -4% -23% -4% -28% -100% - 2% % change kWh	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370 £0 £0 £374,386	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £1,750 £530 £450 £729 £77 £333,025	9% % change £ 4% 9% 36% 52% 1% 3%20% 0% -18% -100% -100% 12% % change	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012' Sol
Institute of Mental Health Total of 7 accounts Electricity Invoices Others King's Meadow Campus Derby Medical School Clinical Sciences (City Hospital) Clinical Sciences Ph. 2 (City Hospit Highfields Sports Ground Boat House 522 Derby Road (ex. Mansells) Grove Farm - Changing Rooms Grove Farm - Old Farmhouse Grove Farm 14-22 Shakespeare Street - SOLI 8 Peachey Street - SOLD Total of 11 accounts Electricity Invoices	7340 7370 Totals 6901 3561 3325 6311 6321 7420 6122 6121 6123	590,000 251,673 8,118,497 2013/14 kWh 2,130,394 1,269,714 1,021,370 90,555 45,040 27,131 14,600 4,600 2,800 0 0 4,640,204	570,949 246,622 7,605,227 2012/13 kWh 2,141,983 1,177,478 1,015,796 86,727 46,722 34,000 0 19,000 4,800 0 6,826 0 4,537,232	3% - 7% % change kWh -1% -1% -1% -1% -4% -4% -23% -4% -28% -100% -2% % change kWh -1%	£665,583 2013/14 £ £165,970 £100,565 £87,327 £7,742 £4,539 £3,100 £2,843 £1,400 £530 £370 £0 £0 £374,386	£611,983 £ £160,215 £92,478 £64,210 £5,089 £4,497 £3,000 £1,750 £530 £450 £729 £77 £333,025	9% % change £ 4 % 9% 36% 52% 1%	Inc. in 'J.C. Main Supply' Inc. in 'New supply 2012' Sol

4.C - Appendix C - Fossil Fuel Data

	Gas Invoices Main Campus		2013/14 kWh	2012/13 kWh	% change kWh	2013/14 £	2012/13 £	% change £	
		1000	22,472,781	25,283,282	-11%	£580,103	£669,076	-13%	
	Rutland Hall & Sherwood Hall	2191	2,387,361	3,002,263	-20%	£62,175	£117,150	-47%	
		2181	2,113,595	2,605,070	-19%	£54,953	£76,377	-28%	
		2171	2,094,213	2,407,750	-13%	£54,781	£58,412	-6%	
	Derby Hall	2121	1,890,710	2,101,164	-10%	£49,348	£53,069	-7%	
	Bio-Molecular Sciences Phase 2	1353	1,796,315	2,017,024	-11%	£45,283	£53,439	-15%	
	Swimming Pool	1571						-15%	
٠.,	-		1,727,639	2,129,544	-19%	£45,026	£52,919		0
(2)	Orchard Hotel	1681	1,620,064	1,206,156	34%	£40,070	£34,379	17%	Operated by De Vere
	Bio-Molecular Sciences Phase 1	1353	1,602,486	2,131,731	-25%	£44,369	£59,215	-25%	
	Lenton & Wortley Hall	2141	1,406,768	1,551,516	-9%	£36,803	£39,017	-6%	
(2)	Jesse Boot Conference Centre	1481	1,383,123	1,802,341	-23%	£36,216	£46,190	-22%	Operated by De Vere
	Lincoln Hall	2150	1,357,814	1,525,686	-11%	£35,500	£38,130	-7%	
	Willoughby Hall	2211	1,250,724	1,510,459	-17%	£32,667	£37,924	-14%	
	Nightingale Hall	2161	1,150,070	1,456,264	-21%	£29,989	£36,601	-18%	
	Florence Boot Hall	2131	1,064,533	1,428,089	-25%	£27,816	£43,412	-36%	
	Science area, MRI etc.	1271	1,052,234	1,314,823	-20%	£27,471	£33,044		
	Ancaster Hall	2101	875,155	1,082,939	-19%	£22,895	£27,013	-15%	
	Cavendish Hall	2111			-25%		£27,802	-21%	
			839,384	1,116,558		£21,883		-21%	
	Boots Science Building	1581	735,627	874,905	-16%	£20,130	£28,157		
	Institute of Hearing Research	1401	600,328	801,767	-25%	£15,730	£20,244	-22%	
	Arts Centre & School of Music	1501	596,611	710,226	-16%	£15,670	£17,724	-12%	
	Trent Building (part) + Highfield Ho		562,902	787,518	-29%	£14,677	£19,531	-25%	
	D.H.Lawrence Lakeside Pavilion	1631	506,220	616,055	-18%	£13,538	£16,614		
	Portland Building Kitchens	1111	485,173	494,814	-2%	£12,525	£12,642	-1%	
	Wolfson Building	1421	444,445	495,487	-10%	£11,642	£12,512	-7%	
	Sports Centre, Main Campus	1221	439,068	680,767	-36%	£11,547	£17,326	-33%	
	Staff Club Lenton Mount, Hemsley		419,325	532,137	-21%	£10,968	£13,380	-18%	
	Lenton Firs - Built Environment	1431	325,270	481,013	-32%	£8,360	£11,831	-29%	
	Innovative Technology Research C		322,672	419,187	-23%		£11,588	-23%	
			,			£8,869		-7%	
	Lenton Hurst	2411	315,046	354,979	-11%	£8,218	£8,830		
	Cripps Health Centre	1231	265,926	341,079	-22%	£6,936	£8,582	-19%	
	Portland Building new extn.	1111	222,382	324,985	-32%	£5,832	£8,138	-28%	
	Redcourt	2221	219,291	313,290	-30%	£5,703	£7,855	-27%	
	Environmental Education Centre (1	1439	154,641	187,506	-18%	£4,505	£5,355	-16%	
	Lenton Grove (History)	1211	151,728	235,273	-36%	£3,953	£5,896	-33%	
	MMMEM (Production Engineering)	1371	144,511	239,303	-40%	£3,768	£5,905	-36%	
	Fitness Centre, Sports Centre	1221	140,056	214,160	-35%	£4,405	£6,033	-27%	
	Orchards	1161	135,198	178,352	-24%	£3,529	£4,502	-22%	
	Lenton Eaves (UNSSC)	1461	132,155	145,333	-9%	£3,947	£4,276	-8%	
	Lincoln Hall Kitchen	2150	112,620	130,005	-13%	£2,945	£3,238	-9%	
		2171			15%				
	Cripps Hall Kitchen		112,526	97,732		£2,898	£2,478		
	Cavendish Hall Extension 1994 (Ha		108,737	114,402	-5%	£2,840	£2,917	-3%	
	Rutland Hall Extension	2195	102,354	107,310	-5%	£2,668	£2,724		
	Paton House (Built Env.)	1441	92,851	123,783	-25%	£2,435	£3,124	-22%	
	Lenton Close Annexe (Cripps Hall)	2175	88,143	101,071	-13%	£2,304	£2,538	-9%	
	Lenton Fields (China House)	2163	78,841	106,497	-26%	£2,501	£3,082	-19%	
	Sustainable Research Building	1436	75,488	105,880	-29%	£2,488	£3,170	-22%	
	Rutland Hall Kitchen	2191	72,389	73,369	-1%	£1,879	£1,854	1%	
	Lenton & Wortley Hall Kitchen	2141	69,694	72,179	-3%	£1,802	£1,844	-2%	
	Sherwood Hall Kitchen	2200	66,702	119,106	-44%	£1,713	£3,014		
	Centre for 3D Design	1223	64,185	131,122	-51%	£2,044	£3,502	-42%	
	-							-36%	
	Lenton Lodge	2251	57,227	91,453	-37%	£1,451	£2,271		
(2)	J.Boot C.C. Annexe (Cottage)	1482	50,402	49,968	1%	£1,296	£1,246	4%	
		2207	43,911	52,578	-16%	£1,150	£1,311	-12%	
	Cavendish Hall Kitchen	2111	41,377	44,418	-7%	£1,084	£1,107		
	Former Warden's House, Cavendis	2113	40,529	42,487	-5%	£1,049	£1,068		
	Lenton Firs Lodge West	2241	34,948	46,295	-25%	£917	£1,159	-21%	
	5A Wortley Hall Close (Eco-House	2296	34,761	22,792	53%	£1,050	£894	17%	
	Humanities	1671	31,965	102,773	-69%	£1,530	£4,579		
	Warden's House Rutland Hall	2194	28,914	39,775	-27%	£753	£1,007		
	Paton Cottage (Stables Annx, Pato		27,183	35,736	-24%	£696	£902		
	Warden's House Florence Boot Ha		24,574		-24%	£644	£846		
	1 Nightingale Close (Nigh.Hall Ward			33,596					
			18,926	25,606	-26%	£496	£644		
	Warden's House Ancaster Hall	2105	12,530	23,341	-46%	£319	£578		
	New Eco-houses		8,566	2,424	253%	£557	£570		
	Sherwood Hall Laundry	2200	7,829	8,913	-12%	£201	£224		
	Redcourt Lodge	2222	6,625	9,298	-29%	£345	£616	-44%	
	Diameter	1411	0	19,457	-100%	£0	£427	-100%	Demolished
	Playgroup	TATE	U	10,701	-10070	£U	2721	10070	Demoisieu

4.C - Appendix C - Fossil Fuel Data continued

4.	C - Appendix C -	Fossi	il Fuel	Data co	ontinue	ed			
	Gas Invoices		2013/14	2012/13	% change	2013/14	2012/13	% change	
	Sutton Bonington	6000	kWh	kWh	kWh	£	£	£	
	Main boilerhouse Animal houses boilerhouse	6800	8,224,912 2,972,470	9,921,416 3,002,686	-17% -1%	£207,032 £74,490	£262,099 £73,249	-21% 2%	
	Veterinary School	5721	1,893,214	2,074,007	-9%	£49,630	£57,284	-13%	
	Plant Sciences	5711	1,878,147	2,250,303	-17%	£52,977	£63,508	-17%	
	Bio-Energy and Brewing Science	5781	562,939	493,672	14%	£14,610	£16,709	-13%	
	Gateway Building (Bio-Sciences)	5771	430,014	593,718	-28%	£12,928	£16,796	-23%	
	Gustafson Glasshouse		341,950	243,693	40%	£9,355	£7,737	21%	
	Sports Centre SB (New)	5951	268,830	352,118	-24%	£8,216	£10,170	-19%	
	TCRU Future Crop Glasshouses	5445	214,296	285,339	-25%	£6,525	£8,064	-19%	
	The Elms (Environmental Science		151,067	163,473	-8%	£4,618	£5,041	-8%	
	Bio-Energy BIOMASS	5781	150,000	165,000	-9%	£7,000	£7,600	-8%	Estimated
	The Firs (Surgery No.2)	5233	138,615	131,920	5%	£3,424	£10,619	-68%	
	Hathern House, Bon. Hall (4)	5831	109,606	0	-	£2,283	£0	-	
	Eviton House (68 College Road)	5891	109,139	536	-	£3,456	£356	-	
	Main Building (Sutton Bonington)	5011	70,929	65,384	8%	£1,668	£1,619	3%	
	St.Michael's Flats Nos 6&7	6842	53,441	36,585	46%	£1,537	£1,625	-5%	
	Food Science Building HWS	5701	52,199	53,014	-2%	£1,294	£1,310	-1%	
	Bonington Hall Laundry & Gym	5881	37,941	44,756	-15%	£947	£1,106	-14%	
	24 College Road	6805	36,060	33,047	9%	£898	£858	5%	
	St.Michael's House Flat 2	6841	35,493	33,119	7%	£1,032	£951	9%	
	Bonington Hall Warden's House	5842	31,096	37,609	-17%	£771	£927	-17%	
	Food Hall St.Michael's House Flat 1	5081 6841	30,148 29,559	60,606 33,521	-50% -12%	£747 £860	£1,467 £870	-49% -1%	
	St.Michael's House Flat 5	6841	26,093	11,375	129%	£714	£295	142%	
	St.Michael's House Flat 4	6841	23,789	6,746	253%	£634	£160	297%	
	52 College Road	6820	20,990	25,474	-18%	£536	£623	-14%	
	St.Michael's House Flat 3	6841	16,680	12,485	34%	£469	£347	35%	
	St.Michael's Flats Nos 8&9	6843	13,961	5,124	172%	£497	£525	-5%	
	North Laboratory	5091	852	822	4%	£21	£21	2%	
	South Laboratory	5051	0	32	-	£0	£1	-	
	Total of 30 accounts	Totals	17,924,431	20,137,581	-11%	£469,169	£551,936	-15%	•
	Gas Invoices		2013/14	2012/13	% change	2013/14	2012/13	% change	
	Jubilee Campus	7420	kWh	kWh	kWh	£	£	£	
	Newark Hall	7130	1,156,369	1,328,513	-13%	£30,904	£42,046	-27%	
	Computer Sciences (DCS) & The		875,960	978,607	-10%	£23,679	£26,396	-10%	
	The Exchange (CTF)	7030	662,171	769,653	-14%	£17,601	£19,571 £15,529	-10%	
	Business School South (New) Southwell Hall	7080 7120	630,224	609,657 680,278	3% -11%	£16,810	£18,931	8% -14%	
	Melton Hall	7110	607,675 546,289	681,911	-20%	£16,313 £14,735	£18,957	-14%	
	Business School North (SMF)	7020	533,217	536,933	-1%	£14,277	£13,180	8%	
	Dearing Building (FOE)	7050	451,911	530,217	-15%	£12,054	£13,217	-9%	
	Energy Technologies Building	7360	438,466	538,915	-19%	£12,234	£17,969	-32%	
	Jubilee Sports Centre	7301	358,401	552,582	-35%	£10,863	£15,470	-30%	
	The Amenities Building	7330	348,284	584,453	-40%	£11,033	£15,833	-30%	
	The Atrium Catering	7040	338,187	408,497	-17%	£9,119	£10,757	-15%	
	Aerospace Technologies Building	7380	320,691	468,177	-32%	£10,444	£14,177	-26%	
(1)	Institute of Mental Health	7370	303,860	333,630	-9%	£8,421	£11,609	-27%	
(1)	Sir Colin Campbell Building (Gatew	7340	131,599	246,802	-47%	£4,375	£7,163	-39%	
	The Nottingham Geospatial Buildin		112,990	120,673	-6%	£3,332	£3,728	-11%	
	Si Yuan Centre For Chinese Studie	7410	74,119	200,000	-63%	£2,349	£6,000	-61%	
	Geospatial BIOMASS	7350	60,000	75,000	-20%	£3,000	£3,500	-14%	
	6 Triumph Rd (ex Dairy Crest, opp		41,214	45,332	-9%	£1,380	£1,495	-8%	
(1)	Romax Building	7390	32,167	0	-	£936	£0	-	
	Starbucks Cafe Jubilee		22,506	20,070	12%	£785	£794	-1%	
	Total of 19 items		8,046,299	9,709,900	-17%	£224,643	£276,323	-19%	
	Gas Invoices		2013/14	2012/13	% change	2013/14	2012/13	% change	
	Others	5004	kWh	kWh	kWh	£	£	£	
	King's Meadow Campus	6901	4,865,073	5,793,477	-16%	£128,256	£156,265	-18%	
	Derby Medical School	3561	1,594,218	2,017,341	-21%	£45,099	£56,603	-20%	
	Clinical Sciences (City Hospital) Grove Farm OIL	3325	670,000 200,000	1,015,796	-34%	£16,300 £12,000	£31,300	-48%	
	Highfields Sports Ground	6311		210,000	-5% -13%		£16,000 £4,893	-25%	Estimated
	Vaughan Parry Williams Pavilion	6314	142,229 124,485	163,922 145,506	-14%	£4,225 £4,044	£5,111	-14%	
	Clinical Sciences (City Hospital) Ph		84,441	86,727	-3%	£2,050	£2,700	-24%	
	Unit 4, Easter Park	6931	59,833	84,805	-29%	£2,036	£2,663	-24%	
	Boathouse Oil	0331	45,000	50,000	-10%	£2,600	£3,000		Estimated
	14-22 Shakespeare Street	6101	0	45	-	£0	£1,276		Closed
	8 Peachey Street - SOLD	6102	0	0	-	£0	£301		Closed
	522 Derby Road (ex. Mansells)	7420	-5,223	95,705	-	£922	£4,978	-81%	
	Total of 12 accounts		7,780,056	9,663,324	-19%	£217,531	£285,090	-24%	
	Steam Used		2013/14	2012/13	% change	2013/14	2012/13	% change	
	Medical School		kWh	kWh	kWh	£	£	£	
	Medical School		21,332,751	22,122,493	-4%	£1,180,000	£955,700		Jul '14 costs estd
	Embedded Units (Q.M.C.)		4,030,000	4,750,000	-15%	£163,000	£205,000		Jul '14 costs estd
			25,362,751	26,872,493	-6%	£1,343,000	£1,160,700	16%	

4.D - Appendix D - Water Data

	Water Invoices		2013/14	2012/13	% change	2013/14	2012/13	% change	
	Main Campus		cubic m.	cubic m.	cubic m.	£	£	£	
_	·	1000	506,037	505,000	0%	£0	£0	-	
(2)		1681	11,776	9,900	19%	£0	£24,000		First full year of operation
		2161	8,336	10,001	-17%	£0	£0	-	
		2221	4,998	4,728	6%	£0	£0	-	
	` ''	1211	4,852	750	547%	£0	£0	-	Leak, now resolved
(2)		1481	2,587	2,700	-4%	£0	£0	-	
	(,	1461	1,638	1,600	2%	£0	£0	-	
(2)		1481	847	2,300	-63%	£0	£0	-	
		2411	770	700	10%	£0	£0	-	
	,	1441	695	1,150	-40%	£0	£0		
		1431	409	400	2%	£0	£0	-	
	5	2251	273	200	36%	£0	£0		
	5A Wortley Hall Close (Eco-House		68	70	-3%	£0	£0	-	
		1411	0	3	-100%	£0	£0	-	Supply close
		1000	0	0	-	£525,244	£520,000	1%	
		1000	0	0	-	£415,537	£507,472	-18%	
	Total of 18 accounts	Totals	543,286	539,502	1%	£940,781	£1,051,472	-11%	
	Woter Invaions		2012/11	2042/42	0/ change	2012/14	2042/42	0/ change	
	Water Invoices		2013/14	2012/13	% change	2013/14	2012/13 £	% change	
	Sutton Bonington		cubic m.	cubic m.	cubic m.	£		£	
		6800	138,935	122,200	14%	£0	£0	-	True 2012/13 was 132,99
	-	6800	12,251	14,500	-16%	£0	£0	-	
	, ,	6841	1,570	1,252	25%	£3,944	£3,133	26%	
	'	6860	770	360	114%	£1,202	£580	107%	
	3 7 3	6910	0	0	-	£28	£22	29%	
	3	6800	0	0	-	£129,113	£131,000	-1%	
		6800	0	0	-	£116,844	£107,634	9%	
	Total of 7 items		153,525	138,312	11%	£251,132	£242,369	4%	
			004044	0040440	0/ 1	0040/44	0040440	0/ 1	
	Water Invoices		2013/14 cubic m.	2012/13 cubic m.	% change cubic m.	2013/14 £	2012/13 £	% change £	
	New Campus	7000							== = = = = = = = = = = = = = = = = = = =
	·	7000	46,565	45,000	3%	£0	£0	-	55,349 true 2012/1
		7130	14,970	18,000	-17%	£0	£0		
		7120	10,194	5,300	92%	£0	£0		8,989 true 2012/1
(1)	9 Triumph Road (ex Dairy Crest Si		3,094	1,500	106%	£0	£0	-	3,406 true 2012/1
		7330	2,445	2,400	2%	£0	£0	-	2,989 true 2012/1
	·	7301	2,244	2,100	7%	£0	£0	-	
	YANG Fujia Building (International I		2,173	1,100	98%	£0	£0	-	1,958 true 2012/1
	Jubilee Campus ETB/IMH/ATC/Ron			1,500	120%	£8,236	£4,100	101%	
			3,306						
	Sir Colin Campbell Building (Gatew	7340	1,306	800	63%	£0	£0	-	1,057 true 2012/1
(1)	The Nottingham Geospatial Buildin	7340 7350	1,306 492	800 425	16%	£0	£0	-	1,057 true 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp	7340 7350 9 Triun	1,306 492 271	800 425 299	16% -9%	£0 £0 £1,140	£0 £1,187	- - -4%	1,057 true 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave	7340 7350	1,306 492 271	800 425 299 1	16%	£0 £0 £1,140 £32	£0 £1,187 £33	-2%	
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD	7340 7350 9 Trium 7201	1,306 492 271 1	800 425 299 1 0	16% -9% -59%	£0 £0 £1,140 £32 £16,000	£1,187 £33 £11,000	-2% 45%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD	7340 7350 9 Triun	1,306 492 271 1 0	800 425 299 1 0	16% -9% -59% -	£0 £0 £1,140 £32 £16,000 £215,717	£0 £1,187 £33 £11,000 £190,000	-2% 45% 14%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD	7340 7350 9 Trium 7201	1,306 492 271 1	800 425 299 1 0	16% -9% -59%	£0 £0 £1,140 £32 £16,000	£1,187 £33 £11,000	-2% 45%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items	7340 7350 9 Trium 7201	1,306 492 271 1 0 0 87,061	800 425 299 1 0 0 78,425	16% -9% -59% - - - 11%	£0 £0 £1,140 £32 £16,000 £215,717 £241,124	£0 £1,187 £33 £11,000 £190,000 £206,320	-2% 45% 14% 17%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items	7340 7350 9 Trium 7201	1,306 492 271 1 0 0 87,061	800 425 299 1 0 0 78,425	16% -9% -59% - - 11% % change	£0 £1,140 £32 £16,000 £215,717 £241,124	£0 £1,187 £33 £11,000 £190,000 £206,320	-2% 45% 14% 17%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others	7340 7350 9 Triun 7201 7000	1,306 492 271 1 0 87,061 2013/14 cubic m.	800 425 299 1 0 78,425 2012/13 cubic m.	16% -9% -59% 11% % change cubic m.	£0 £1,140 £32 £16,000 £215,717 £241,124	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £	-2% 45% 14% 17% % change £	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus	7340 7350 9 Trium 7201 7000	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179	16% -9% -59% - 11% % change cubic m8%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £	-2% 45% 14% 17% % change £ -2%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph	7340 7350 9 Triun 7201 7000 6901 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746	16% -9% -59% 11% % change cubic m8% 21%	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600	£0, £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900	-2% 45% 14% 17% % change £ -2% 22%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms	7340 7350 9 Trium 7201 7000 6901 3325 6122	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055	16% -9% -59% - 11% % change cubic m8% 21% 30%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181	-2% 45% 14% 17% % change £ -2% 22% 30%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House	7340 7350 9 Trium 7201 7000 6901 3325 6122 6321	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565	16% -9% -59% - 11% % change cubic m8% 21% 30% 31%	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835	-2% 45% 14% 17% % change £ -2% 22% 30% 34%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565	16% -9% -59% 11% % change cubic m8% 21% - 30% - 31%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352	£0, £1,187 £13, £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,1811 £3,835 £3,540	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park	7340 7350 9 Trium 7201 7000 6901 3325 6122 6321 6311 6931	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425	16% -9% -59% -111% % change cubic m8% -21% -30% -35% -7%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500	£0, £1,187 £13,187 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34% 0%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph.	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49	16% -9% -59% - 11% % change cubic m8% 21% 30% 31% -35% -7% 90%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330	£0, £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34% 0% 89%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park	7340 7350 9 Trium 7201 7000 6901 3325 6122 6321 6311 6931	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49	16% -9% -59% - 11% % change cubic m8% 21% 30% 31% -35% -7% 90%	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175	-2% 45% 14% 17% % change £ -2% 30% 34% -34% 0% 89%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph.	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49	16% -9% -59% - 11% % change cubic m8% 21% 30% 31% -35% -7% 90%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330	£0, £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34% 0% 89%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph. 8 Peachey Street - SOLD	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0 20,150	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49 35	16% -9% -59% -111% % change cubic m8% 21% 30% -35% -7% 90% -4%	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0 £80,709	£0, £1,187 £13,187 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175 £1477	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34% 0% 89% -100%	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph. 8 Peachey Street - SOLD Water Recharges	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0 20,150	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49 35 19,290	16% -9% -59% -111% % change cubic m8% 21% 30% 31% -35% -7% 90% - 4% % change	£0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0 2013/14	£0, £1,187 £13,187 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175 £147 £76,773	-2% 45% 14% 17% % change £ -2% 22% 30% 34% -34% 0% 89% -100% 5% % change	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph. 8 Peachey Street - SOLD Water Recharges Medical School	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0 20,150 2013/14 cubic m.	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49 35 19,290 2012/13 cubic m.	16% -9% -59% -111% % change cubic m8% 21% 30% 31% -355% -7% 90% -4% % change cubic m.	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0 2013/14 £	£0, £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,530 £2,508 £175 £147 £76,773	-2% 45% 14% 17% % change £ -2% 30% 34% -34% 0% 89% -100% 5% % change	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph. 8 Peachey Street - SOLD Water Recharges Medical School Medical School	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0 20,150 2013/14 cubic m.	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49 35 19,290 2012/13 cubic m.	16% -9% -59% - 11% % change cubic m8% 21% 30% 31% -35% 90% - 4% % change cubic m.	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0 £80,709 2013/14 £	£0 £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,835 £3,540 £2,508 £175 £147 £76,773	-2% 45% 14% 17% % change £ -2% 30% 34% -34% 0% 89% -100% 5% % change £	£16,876 true cost 2012/1
(1)	The Nottingham Geospatial Buildin 6 Triumph Rd (ex Dairy Crest, opp Charnock Ave 9 Triumph Road costs inc.SWD Jubilee Campus costs inc SWD Total of 14 items Water Invoices Others King's Meadow Campus Clinical Sciences (City Hospital) Ph. Grove Farm - Changing Rooms Boat House Highfields Sports Ground Unit 4, Easter Park Clinical Sciences (City Hospital) Ph. 8 Peachey Street - SOLD Water Recharges Medical School	7340 7350 9 Triun 7201 7000 6901 3325 6122 6321 6311 6931 3325	1,306 492 271 1 0 0 87,061 2013/14 cubic m. 8,460 5,728 2,663 2,057 929 220 93 0 20,150 2013/14 cubic m.	800 425 299 1 0 0 78,425 2012/13 cubic m. 9,179 4,746 2,055 1,565 1,425 236 49 35 19,290 2012/13 cubic m.	16% -9% -59% -111% % change cubic m8% 21% 30% 31% -355% -7% 90% -4% % change cubic m.	£0 £0 £1,140 £32 £16,000 £215,717 £241,124 2013/14 £ £45,653 £20,600 £4,137 £5,137 £2,352 £2,500 £330 £0 2013/14 £	£0, £1,187 £33 £11,000 £190,000 £206,320 2012/13 £ £46,486 £16,900 £3,181 £3,530 £2,508 £175 £147 £76,773	-2% 45% 14% 17% % change £ -2% 30% 34% -34% 0% 89% -100% 5% % change	1,057 true 2012/1 £16,876 true cost 2012/1 Mar-Jul '13 este

