

# Annual Energy Report 2010/11

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## 2010/11 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). 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.

The headline performance indicators from this year's energy report are as follows:-

- **Energy costs**, including taxes, rose by £1.3 million to £10.6 million. Section 1.K shows that our energy costs per unit and per square metre are the lowest in the sector.
- Overall **energy consumption** reduced by 1.3%, with electricity consumption down 1.6% and gas usage down 1.1%.
- Overall emissions of **carbon dioxide** from all energy sources fell by 1.7%.
- Water usage increased by 6%.
- The overall premises Gross Internal Area (GIA) increased by 1.2%, and student numbers were up by 3.0%. The weather, as measured by 'degree days' was colder by 0.4% compared to 2009/10.

Note that most figures relate to the University's financial year of August 1st 2010 to July 31st 2011, with the baseline for comparison being the previous (2009/10) financial year.

Utilities continue to be procured via Notice Ltd, which is a wholly owned subsidiary of the University of Nottingham

## Section 1 – Total Energy Report

## 1.A. - Energy and Water Costs Summary

Energy and water costs rose to £9.2 million in 20010/11, or £10.6 million including taxes. Although this was a rise of 10%, our policy of 'flexible' energy purchasing helped to avoid even greater rises. Section 1.K shows that our unit energy costs were the lowest amongst the Russell Group of Universities during 2009/10, with our prices being 25% below similar-sized institutions. This equates to a procurement saving of just over £2.0 million.

UK Energy prices rose sharply from August 2010 through to the Spring of 2011 (up over 30%), and remained surprisingly high right through to the end of the financial year. Fears regarding the weakness of the economy were outweighed by high world commodity prices caused by demand from the far East and in particular competition for gas resources as Japan closed down nuclear reactors. Instability in the Middle East and North Africa were additional factors.

Energy and Water Costs				Change
	2008/9	2009/10	2010/11	'9/10 to'10/11
University Park	£ 5,800,298	£ 4,633,050	£ 5,033,602	9%
Sutton Bonington	£ 1,471,426	£ 1,229,968	£ 1,392,711	13%
Jubilee Campus	£ 812,197	£ 713,875	£ 810,022	13%
Others	£ 688,071	£ 585,856	£ 635,438	8%
Medical School	£ 1,439,585	£ 1,180,000	£ 1,310,000	11%
Total	£ 10,211,577	£ 8,342,749	£ 9,181,773	10%



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

Note that these figures exclude VAT and Climate Change Levy, which are discussed on page 6.

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

Campus Costs		Cost/sq.m/annum				
	Floor Area	Electricity	Heating	Water	Total	
University Park	316,309	£9.13	£4.01	£2.77	£15.91	
Sutton Bonington	66,501	£11.50	£5.33	£4.11	£20.94	
Jubilee Campus	59,682	£8.17	£2.24	£3.16	£13.57	
Others	66,696	£5.96	£2.63	£0.94	£9.53	
Medical School	75,429	£8.15	£7.60	£1.62	£17.37	
Total	584,617	£8.81	£4.29	£2.60	£15.71	

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

The overall floor area increased by 1.2% from 2009/10.

Note that if taxes (VAT and CCL, see below) are taken into account, our average utility costs are now £18.17 per square metre per annum.

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

VAT costs paid by Notice Ltd on energy bills rose to  $\pm 1.17$  million in 2010/11, and CCL was up to  $\pm 274,000$ . This rise in CCL was particularly large as we completed our purchases of 'green' electricity, which was CCL-free.

The Climate Change Levy (CCL) was introduced in April 2001. On April  $1^{st}$  2011 the rates rose 3.0% to 0.169p/kWh on gas and 3.2% to 0.485p/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:-

		20010/11						2009/10	
		Electricity	Fc	ossil Fuels		Water		Totals	Totals
Utility Costs	£	5,153,260	£	2,506,590	£	1,521,923	£	9,181,773	£8,348,750
Climate Change Levy	£	183,965	£	90,506		-	£	274,471	£100,063
Value Added Tax	£	721,604	£	449,232		-	£	1,170,837	£884,579
Total	£	6,058,830	£	3,046,328	£	1,521,923	£	10,627,081	£9,333,392

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

Energy and Water Costs								
	E	Electricity	F	ossil Fuels		Water		Total
University Park	£	2,887,877	£	1,269,972	£	875,753	£	5,033,602
Sutton Bonington	£	765,066	£	354,493	£	273,151	£	1,392,711
Jubilee Campus	£	487,501	£	133,947	£	188,573	£	810,022
Others	£	397,815	£	175,178	£	62,445	£	635,438
Medical School	£	615,000	£	573,000	£	122,000	£	1,310,000
Total	£	5,153,260	£	2,506,590	£	1,521,923	£	9,181,773

## 1.D - 2010/2011 Net Costs Broken Down by Campus and Utilities

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 1.3%, despite floor area increasing by 1.2%, student numbers rising by 3.0% and the weather being 0.4% cooler.

Note that operation of the CHP unit at KMC increased energy consumption by 250MWh over the period concerned, and this is planned to rise to 650MWh across a full year. Whilst operation of the engine increases net energy consumption within our boundaries, there is a monetary saving and  $CO_2$  emissions are reduced as we do not have to import as much electricity.

Energy Consumption	MWh	MWh	MWh	Change	
	2008/9	2009/10	2010/11	'9/10 to'10/11	
University Park	114,187	115,790	112,818	-2.6%	
Sutton Bonington	26,702	29,428	29,032	-1.3%	
Jubilee Campus	12,079	12,874	13,635	5.9%	
Others	12,450	12,899	13,374	3.7%	
Medical School	32,671	33,037	32,520	-1.6%	
Tota	al 198,089	204,028	201,380	-1.3%	

*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

Energy Consumption	MWh	MWh	MWh
2010/2011	Electricity	Fossil Fuels	Total
University Park	44,487	68,331	112,818
Sutton Bonington	11,516	17,516	29,032
Jubilee Campus	7,153	6,482	13,635
Others	5,514	7,860	13,374
Medical School	9,587	22,933	32,520
Total	78,258	123,122	201,380

#### 1.F - Energy Use Breakdown by Campus and Utilities

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



Figure 1.F.2 Pie chart of energy consumption split by campus



*Figure 1.F.3 Pie chart of energy consumption split by utility type.* Note: Our 'fossil fuels' comprise 99.5% gas and 0.5% gasoil

	2007/8	2008/9	2009/10	20010/11	Change
Floor Area (sq.m.)	542,998	561,189	577,871	584,617	1.2%
Annual Energy Usage (MWh)	199,279	198,089	204,028	201,380	-1.3%
Energy Usage Per sq. m. (kWh/m2)	367	353	353	344	-2.4%

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

*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.

The figures above indicate an absolute efficiency improvement of 6.3% over the last three years. If weather data is considered the efficiency improvement over three years is 14.5%.

	2007/8	2008/9	2009/10	20010/11	Change
Floor Area (sq.m.)	542,998	561,189	577,871	584,617	1.2%
Gross Energy and Water Costs	£10,839,000	£11,380,000	£ 9,333,000	£10,627,081	13.9%
Utility Cost Per sq. m.	£ 19.96	£ 20.28	£ 16.15	£ 18.18	12.6%

*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 FT Student

	2007/8	2008/9	2009/10	20010/11	Change
UK Student Numbers	30,444	30,457	32,044	32,999	3.0%
Annual Energy (MWh)	199,279	198,089	204,028	201,380	-1.3%
Energy / Student (kWh)	6,546	6,504	6,367	6,103	-4.2%

Figure 1.H.1 Table of last four years energy usage and full-time student numbers.



*Figure 1.H.2 Graph of last four years energy usage per full-time student.* 

	2007/8	2008/9	2009/10	20010/11	Change
UK Student Numbers	30,444	30,457	32,044	32,999	3.0%
Energy and Water Costs	£ 10,839,000	£11,380,000	£ 9,333,000	£ 10,627,081	13.9%
Utility Costs / Student	£ 356.03	£ 373.64	£ 291.26	£ 322.04	10.6%

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 full-time student.

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

## 1.I - Utility Costs as a Proportion of University Turnover

Percentage of Turnover									Change
(£ 000)		2007/8		2008/9		2009/10	2	20010/11	
Utility Costs inc. taxes	£	10,839	£	11,380	£	9,333	£	10,627	13.9%
Total University Turnover	£	409,354	£	448,700	£	474,600	£	479,000	0.9%
Percentage		2.65%		2.54%		1.97%		2.22%	12.8%

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



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

## 1.J – Typical elements of Gas and Electricity Charges

The following table has been included to show the increasing proportion of energy costs that are due to non-energy elements such as transportation (costs paid to get the energy to site via the National Grid) and energy taxes. Transportation costs have been rising steadily over the last few years to pay for the introduction of renewable electricity generation across the UK.

From next April, CCL will rise to 0.177p/kWh for gas and to 0.509p/kWh for electricity. VAT rose from 17.5% to 20% in January 2011, and the new Carbon Reduction Commitment will effectively add 0.247p/kWh to gas and 0.649p/kWh to electricity when it is introduced in 2012.

Average Energy Prices in pence/kWh								
2010/11 University Park	Gas	Electricity						
Energy	1.6200	4.4450						
Transportation charges	0.4160	2.1400						
CCL	0.1690	0.4850						
CRC	0.0000	0.0000						
VAT	0.4410	1.4140						
Total	2.6460	8.4840						

Figure 1.J.1 Table showing composition of gas and electricity prices.

## 1.K - Energy Costs Comparison to Russell Group Universities - 2009/10

The statistics in the next four tables provide a range of comparators to other major Universities, as reported in the EMS returns for 2009/10. Note that this is the most recent year where data is available for comparison, but is one year behind the most recent information presented elsewhere in this report.



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

The two graphs on this page indicate that as of last year, the University of Nottingham had the lowest energy prices within the Russell Group, paying an average of 4.04p/kWh, some 25% below the typical rates across the sector of 5.0 to 6.0p/kWh. Energy costs per square metre were also the lowest in the sector.



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



1.L – Energy Efficiency Comparison to Russell Group Universities – 2009/10

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 is still mid-range 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 fell for the first time since 1997/8. This was led by University Park, where consumption was basically flat until Christmas, but then showed significant reductions of 4% or more in each month thereafter, compared to 2009/10.

Consumption was up at Sutton Bonington and Jubilee Campus as the first full year of usage at the new buildings was registered, but a reduction of 12% was seen at King's Meadow Campus where the gas-fired CHP engine was recomissioned (this is part of the 'Others' category). This engine generated 364 MWh of electricity in three months of operation in the Spring of 2011.

Electricity Consumption	MWh	MWh	MWh	Change
	2008/9	2009/10	2010/11	'9/10 to'10/11
University Park	46,862	45,867	44,487	-3.0%
Sutton Bonington	11,229	11,339	11,516	1.6%
Jubilee Campus	6,447	6,854	7,153	4.4%
Others	5,291	5,709	5,514	-3.4%
Medical School	9,571	9,758	9,587	-1.8%
Total	79,401	79,527	78,258	-1.6%

*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 February 2011. This policy shielded us from the significant rises in electricity that occurred over the year.

During the period, market electricity prices for large annual contracts (baseload energy only) rose sharply from 4.5p/kWh in August 2010 to 6.0p/kWh in April 2011, before settling back to 5.5p/kWh by July. At University Park, the average price paid per kWh across the year rose from 6.16p/kWh in 2009/10 to 6.49p/kWh in 2010/11, a rise of 5.4%.

The University's 'sub-100kW' sites (representing 36 smaller properties, such as sports grounds) was tendered in February 2011, and the contract was won by Southern Electric. All of the sites are priced individually, but unit rates are typically 10.27p/kWh for day units and 6.14p/kWh for night units and 9.36 p/kWh for evening and weekend units.

Electricity Costs								Change
			2008/9		2009/10		2010/11	'9/10 to'10/11
University Park		£	3,807,325	£	2,825,400	£	2,887,877	2%
Sutton Bonington		£	944,564	£	717,196	£	765,066	7%
Jubilee Campus		£	519,428	£	445,349	£	487,501	9%
Others		£	464,792	£	400,160	£	397,815	-1%
Medical School		£	659,585	£	580,000	£	615,000	6%
	Total	£	6,395,694	£	4,968,105	£	5,153,260	4%





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 fell by 1.1%, which is particularly encouraging when the colder weather would have predicted a rise of 0.4% in a like-for-like situation.

The biggest rise, seen in the 'others' category, is due to increased gas usage at the King's Meadow Campus. This was expected as a result of restarting the site's 300kW CHP unit. This engine burns gas to create electricity plus heat, and although this results in a net increase in energy consumed by the University, there is a saving in  $CO_2$  emissions and monetary terms.

Fossil Fuel Consumption	MWh	MWh	MWh	Change
	2008/9	2009/10	2010/11	'9/10 to'10/11
University Park	67,324	69,923	68,331	-2.3%
Sutton Bonington	15,473	18,089	17,516	-3.2%
Jubilee Campus	5,632	6,020	6,482	7.7%
Others	7,159	7,190	7,860	9.3%
Medical School (Steam)	23,100	23,279	22,933	-1.5%
Total	118,688	124,501	123,122	-1.1%

*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 February 2011. This meant that we were able to continue to purchase gas in monthly tranches at opportune times, rather than annually.

During the period, monthly gas prices for large annual contracts (energy only) increased significantly, from 1.55p/kWh in August 2010 to 2.00p/kWh in January 2011 and remaining at about this level to the end of the year, finishing at 1.97p/kWh by July 2010. For the first time in many years there was a disconnect with electricity prices, and electricity did not rise by anything like as much.

Overall, the average price paid across the year rose from 1.52p/kWh to 1.90p/kWh (including transportation charges), an increase of 25%. As seen in previous years, delaying purchases until just before the month in question resulted in savings of around 10% as risk premiums were eroded as the date of delivery approached.

Fossil Fuel Costs							Change
		2008/9		2009/10		2010/11	'9/10 to'10/11
University Park	£	1,413,980	£	1,051,195	£	1,269,972	21%
Sutton Bonington	£	323,372	£	276,305	£	354,493	28%
Jubilee Campus	£	122,771	£	97,113	£	133,947	38%
Others	£	174,378	£	134,786	£	175,178	30%
Medical School (Steam)	£	702,000	£	522,000	£	573,000	10%
Total	£	2,736,501	£	2,081,399	£	2,506,590	20%

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

Water consumption increased by 6% overall compared to 2009/10. Whilst the figures also show a 13% rise between 2008/9 and 2009/10, this was mostly down to the 2008/9 figure being artificially low due to estimated data. Whilst we have seen a modest upward trend in the last few years, it should be noted that our consumption reached 925,590 cubic metres per annum back in 2004/5. This means that we are still 12% below this peak despite six years of considerable growth.

Water Consumption	cubic m.	cubic m.	cubic m.	Change
	2008/9	2009/10	2010/11	'9/10 to'10/11
University Park	389,588	489,239	483,105	-1%
Sutton Bonington	141,907	136,755	161,700	18%
Jubilee Campus	93,768	84,248	93,491	11%
Others	12,333	13,190	18,308	39%
Medical School	40,800	43,705	56,088	28%
Tot	al 678,396	767,138	812,692	6%

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 have continued to increase charges by more than inflation. The price of water supplied increased by 7.0% in April 2011, up from  $91.14p/m^3$  to  $97.52 p/m^3$  in summer for large sites such as University Park. The winter rate for large sites was up by the same percentage, from  $48.83p/m^3$  to  $52.25 p/m^3$ . Rates for used water at large sites were up 5.9%, from  $83.68p/m^3$  to  $88.6 p/m^3$ . Charges for the surface water drainage element, which is based on site area, were up by 5.8% from £99,536 per annum to £105,259.

Whilst the focus has been primarily on carbon reduction in the last couple of years, it is important that we continue to look for opportunities to reduce water costs as the water bill's share of total utility costs has risen from 13% in 2007/8 to 17% today.

Water Costs								Change
			2008/9		2009/10		2010/11	'9/10 to'10/11
University Park		£	578,993	£	756,455	£	875,753	16%
Sutton Bonington		£	203,490	£	236,468	£	273,151	16%
Jubilee Campus		£	169,998	£	171,413	£	188,573	10%
Others		£	48,901	£	50,911	£	62,445	23%
Medical School		£	78,000	£	84,000	£	122,000	45%
	Total	£	1,079,381	£	1,299,246	£	1,521,923	17%

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 - Carbon Dioxide Emissions

The University's Carbon Management Plan has ambitious targets in place to reduce emissions by 34% by 2020 compared to a 2005/6 baseline. This will necessitate annual reductions in carbon dioxide emissions of around 2,500 Tonnes per annum.

In 2010/11 Carbon dioxide emissions fell by 1.7% (1,172 Tonnes), despite the colder weather, a rise in floor area of 1.2%, and a 3% increase in student numbers.

Note that 'green' electricity was purchased up until  $31^{st}$  August 2010, although no credit is shown in the attached data for this.

In the table and graph below, the Estates Management Statistics (EMS) emission factors have been used as shown:-

CO <sub>2</sub> Emission Factors	2008/9	2009/10	2010/11
Electricity kg/kWh	0.541	0.542	0.541
Gas kg/kWh	0.204	0.205	0.204

CO <sub>2</sub> Emissions		Tonnes	Tonnes	Tonnes	Change
		2008/9	2009/10	2010/11	'9/10 to'10/11
University Park		39,087	39,194	38,007	-3.0%
Sutton Bonington		9,231	9,854	9,804	-0.5%
Jubilee Campus		4,637	4,949	5,192	4.9%
Others		4,323	4,568	4,586	0.4%
Medical School		9,890	10,061	9,865	-1.9%
	Total	67,168	68,626	67,454	-1.7%

Figure 3.A.1 Table of CO<sub>2</sub> emission factors for the last 3 years.

Figure 3.A.2 Table of  $CO_2$  emissions for the last 3 years split by campus.



Figure 3.A.3 Graph of  $CO_2$  emissions for the last 3 years split by campus.

CO2 Emissions 2010/2011	Tonnes Electricity	Tonnes Fossil Fuels	Tonnes Total	Prop'n Elec	Prop'n Gas
University Park	24,068	13,940	38,007	63%	37%
Sutton Bonington	6,230	3,573	9,804	64%	36%
Jubilee Campus	3,870	1,322	5,192	75%	25%
Others	2,983	1,603	4,586	65%	35%
Medical School	5,187	4,678	9,865	53%	47%
Total	42,338	25,117	67,454	63%	37%

### **3.B - Carbon Dioxide Emissions Breakdown by Campus and Utilities**

Figure 3.B.1 Table of CO<sub>2</sub> emissions split by campus and by utility



Figure 3.B.2 Chart of CO<sub>2</sub> emissions split by campus



Figure 3.B.3 Chart of CO<sub>2</sub> emissions split by source fuel type

#### 3.C - Weather Data – Degree Days

This year was the third unusually cold year in a row, and was the coldest of the three overall. After a cool Autumn, November, December, and the start of January were bitterly cold. The rest of the year was then unusually mild, but overall the year was slightly colder than 2009/10. 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.

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.

	Deg. Days	Deg. Days	Deg. Days	Deg. Days	'9/10 to'10/11
	20 Yr Avg	2008/9	2009/10	2010/11	Change
Aug	34	20	23	46	100.0%
Sep	74	68	62	79	27.4%
Oct	159	186	126	168	33.3%
Nov	266	264	211	320	51.7%
Dec	339	370	387	499	28.9%
Jan	353	383	441	374	-15.2%
Feb	304	327	362	251	-30.7%
Mar	279	272	296	271	-8.4%
Apr	212	165	198	126	-36.4%
Мау	134	114	161	110	-31.7%
Jun	70	65	54	70	29.6%
Jul	34	29	21	42	100.0%
Total	2,258	2,263	2,342	2,356	0.6%
			Weather mod	lifier (75%)	0.4%

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



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

# Section 4 – Appendices

## 4.A - Appendix A - Electricity Data

Electricity Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Main Campus		kWh	kWh	kWh	£	£	£	
University Park	1000	44,447,070	45,828,227	-3%	£2,884,122	£2,821,763	2%	
Lenton Lodge	2251	22,900	22,800	0%	£1,900	£1,900	0%	Jul'11 Est'd
Lenton Eaves Cottage no.2	1461	15,000	13,000	15%	£1,400	£1,200	17%	Jul'11 Est'd
Redcourt Lodge	2222	1,400	2,317	-40%	£220	£287	-23%	Jul'11 Est'd
Lenton Eaves Cottage no.1	1461	1,000	1,100	-9%	£235	£250	-6%	Jul'11 Est'd
Total of 5 accounts	Totals		45,867,444	-3%	£2,887,877	£2,825,400	2%	
Electricity Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Sutton Bonington		kWh	kWh	kWh	£	£	£	
Sutton Bonington Campus	6800	10,872,988	10,595,531	3%	£710,347	£656,157	8%	
New Dairy	6500		588,955	-17%	£38,500	£44,862	-14%	Jul'11 Est'd
Melton Lane Building A	5433	30,910	22,512	37%	£2,558	£1,875	36%	
Eviton House (68 College Road		26,414	24,121	10%	£2,169	£1,950	11%	Jul'11 Est'd
Manor Farm NU Press 2	6910		17,342	0%	£1,521	£1,520	0%	
St.Michael's House (Flats 1-5)	6841		23,052	-45%	£1,696	£2,522	-33%	
St.Michael's Flats Nos 8&9	###	11,790	7,912	49%	£1,782	£1,378	29%	
Bunny Park Farm	6860	10,730	10,532	2%	£1,016	£1,014	0%	
Manor Farm NU Press 1	6910		10,106	4%	£1,026	£955	7%	
St.Michael's Close (Flats 10-15	6840	5,828	5,512	6%	£650	£553	17%	
40 College Road	6811	5,585	4,049	38%	£544	£430	27%	Jul'11 Est'd
New Dairy Herdsman's House	6500	5,500	5,771	-5%	£550	£577	-5%	May - Jul'11 Est'd
24 College Road	6805		6,083	-15%	£540	£566	-5%	Jul'11 Est'd
44 College Road	6814	4,876	2,501	95%	£506	£309	64%	Jul'11 Est'd
50 College Road	6819	3,079	2,505	23%	£346	£309	12%	Jul'11 Est'd
St.Michael's Flats Nos 6&7	6842	2,700	8,592	-69%	£900	£1,443	-38%	Jun - Jul'11 Est'd
45 College Road	6815	100	3,423	-97%	£120	£412	-71%	Jul'11 Est'd
Manor Farm Soar Irrigation Pur	6910	0	28	-100%	£152	£170	-11%	
Manor Farm Pump House Kings			132	-100%	£144	£194	-26%	
Total of 19 accounts	Totals		11,338,658	2%	£765,066	£717,196	7%	
Electricity Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Electricity Invoices Jubilee Campus		2010/11 kWh	2009/10 kWh	% change kWh	2010/11 £	2009/10 £	% change £	
	7000	kWh						
Jubilee Campus	7000	<b>kWh</b> 5,993,242	kWh	kWh	£	<b>£</b> £380,632 £45,953	£	
Jubilee Campus Jubilee Campus Main Supply		kWh 5,993,242 728,019	<b>kWh</b> 5,896,178	kWh 2%	<b>£</b> £396,850	<b>£</b> £380,632	£ 4%	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls	7000 7301	kWh 5,993,242 728,019	<b>kWh</b> 5,896,178 738,718	kWh 2% -1%	<b>£</b> £396,850 £51,199	<b>£</b> £380,632 £45,953	£ 4% 11%	All estd by supplier
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre	7000 7301 2)	kWh 5,993,242 728,019 223,411	kWh 5,896,178 738,718 213,102	kWh 2% -1%	£ £396,850 £51,199 £18,380	<b>£</b> <u>£380,632</u> <u>£45,953</u> £17,739	£ 4% 11%	All estd by supplier
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site	7000 7301 2)	kWh 5,993,242 728,019 223,411 146,860 57,913	kWh 5,896,178 738,718 213,102 0 0	kWh 2% -1% 5% -	£ £396,850 £51,199 £18,380 £12,734	£ £380,632 £45,953 £17,739 £0	£ 4% 11% 4%	All estd by supplier Jul'11 Est'd
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting	7000 7301 e) ite)	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890	kWh 5,896,178 738,718 213,102 0 0 5,818	kWh 2% -1% 5% - -	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512	£ £380,632 £45,953 £17,739 £0 £0 £1,025	£ 4% 11% 4% - -	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S	7000 7301 e) ite) 7201	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890	kWh 5,896,178 738,718 213,102 0 0	kWh 2% -1% 5% - - - -33%	£ £396,850 £51,199 £18,380 £12,734 £7,826	£ £380,632 £45,953 £17,739 £0 £0	£ 4% 11% - - - -50%	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting	7000 7301 e) ite) 7201	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890	kWh 5,896,178 738,718 213,102 0 0 5,818	kWh 2% -1% 5% - - - -33%	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512	£ £380,632 £45,953 £17,739 £0 £0 £1,025	£ 4% 11% - - - -50%	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting Total of 6 accounts	7000 7301 e) ite) 7201	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890	kWh 5,896,178 738,718 213,102 0 0 5,818	kWh 2% -1% 5% - - - -33% 4%	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512 £487,501	£ £380,632 £45,953 £17,739 £0 £0 £1,025	£ 4% 11% - - -50% 9%	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting	7000 7301 e) ite) 7201	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890 7,153,334	kWh 5,896,178 738,718 213,102 0 0 5,818 6,853,817	kWh 2% -1% 5% - - - -33%	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512	£ £380,632 £45,953 £17,739 £0 £17,739 £0 £1,025 £445,349	£ 4% 11% - - - -50%	
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting Total of 6 accounts Electricity Invoices Others	7000 7301 ite) 7201 Totals	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890 7,153,334 2010/11 kWh	kWh 5,896,178 738,718 213,102 0 0 5,818 6,853,817 2009/10 kWh	kWh 2% -1% 5% - - - -33% 4% % change kWh	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512 £487,501 2010/11 £	£ £380,632 £45,953 £17,739 £0 £0 £1,025 £445,349 2009/10 £	£ 4% 11% - - -50% 9% % change £	Jul'11 Est'd
Jubilee Campus Jubilee Campus Main Supply Newark & Southwell Halls Jubilee Sports Centre 6 Triumph Rd (Dairy Crest Site 9 Triumph Road (Dairy Crest S Charnock Ave Lighting Total of 6 accounts Electricity Invoices Others King's Meadow Campus	7000 7301 ite) 7201 <b>Totals</b>	kWh 5,993,242 728,019 223,411 146,860 57,913 3,890 7,153,334 2010/11 kWh 2,973,913	kWh 5,896,178 738,718 213,102 0 0 5,818 6,853,817 2009/10 kWh 3,363,571	kWh 2% -1% 5% - - - - - - - - - - - - -	£ £396,850 £51,199 £18,380 £12,734 £7,826 £512 £487,501 2010/11 £ £	£ £380,632 £45,953 £17,739 £0 £1,025 £445,349 2009/10 £ £216,996	£ 4% 11% 4% - - -50% <b>9%</b> <b>%</b> change £ -10%	
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## 4.B - Appendix B - Fossil Fuel Data

Gas Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Main Campus		kWh	kWh	kWh	£	£	£	
Main Campus Invoices		30,734,821		-4%	£526,340	£449,446	17%	
Rutland Hall & Sherwood Hall	2191	2,905,380	3,166,894	-8%	£54,335	£50,276	8%	
Hugh Stewart Hall	2181		2,839,796	-8%	£57,165	£44,776		Transportation Charges
Derby Hall	2121	2,198,294	2,108,221	4%	£56,846	£33,460		Transportation Charges
Cripps Hall	2171	2,163,776	2,400,996	-10%	£40,585	£38,169	6%	
Bio-Molecular Sciences Ph.1 Bio-Molecular Sciences Ph.2	1353 1353		1,916,780	11% -3%	£42,869 £35,290	£30,233	42%	Transportation Charges
Lenton & Wortley Hall	2141		1,860,638	-3%	£35,290 £32,107	£34,332 £26,597	21%	
Willoughby Hall	22141		1,567,992	8%	£31,963	£20,397 £24,075	33%	
Lincoln Hall	2150		1,457,976	11%	£30,423	£22,355	36%	
Swimming Pool	1571	1,589,582	1,630,450	-3%	£29,473	£24,586	20%	
Nightingale Hall	2161	1,523,900	1,542,162	-1%	£28,534	£23,608	21%	
Florence Boot Hall	2131		1,281,097	0%	£24,078	£19,768	22%	
Jesse Boot Conference Centre	1481	1,191,590	1,048,548	14%	£22,636	£16,409	38%	
Science Area, MRI, etc	1271	1,179,800	1,106,113	7%	£22,166	£17,415	27%	
Boots Science Building	1581	1,148,752	1,094,179	5%	£23,718	£16,632	43%	Transportation Charges
Cavendish Hall	2111	1,042,877	1,036,773	1%	£19,491	£16,436	19%	
Ancaster Hall	2101	999,778	1,249,634	-20%	£18,867	£19,959	-5%	
Institute of Hearing Research	1401	785,965	755,550	4%	£14,737	£11,199	32%	
Trent, Law & SS Extn etc	1101	769,171	679,575	13%	£15,162	£11,040	37%	
	1501	578,476	535,932	8%	£10,952	£8,161	34%	
D.H.Lawrence Lakeside Pavilion	-	572,663	423,170	35%	£11,270	£6,543	72%	
Staff Club Lenton Mount, Hems		517,370	523,207	-1%	£9,782	£8,186	19%	
Wolfson Building	1421	488,361	597,406	-18%	£9,302	£9,139	2%	
Lenton Firs - Built Environment		485,531	513,309	-5%	£9,201	£8,370	10%	
Sports Centre, Main Campus	1221	461,925	561,813	-18%	£8,844	£9,071	-3%	
Innovative Technology Researc		357,261	266,482	34%	£8,852	£6,380	39%	
Redcourt	2411 2221	339,121	309,842	9% 9%	£6,571	£4,928	33%	
Portland Building new extn.	11111	252,499 233,677	231,775 266,232	-12%	£4,819 £4,436	£3,642 £4,269	32% 4%	
Cripps Health Centre	1231	233,615	234,524	-12%	£4,430 £4,447	£4,209 £3,753	19%	
Lenton Grove (History)	1211	179,881	176,805	2%	£3,534	£2,770	28%	
Cripps Hall Kitchen	2171	166,864	189,842	-12%	£3,108	£2,881	8%	
Environmental Education Centr		150,723	181,699	-17%	£2,732	£2,994	-9%	
Fitness Centre	1221	144,174	111,212	30%	£3,102	£1,948	59%	
Sherwood Hall Kitchen	2200		148,664	-4%	£2,685	£2,253	19%	
Lenton Eaves (UNSSC)	1461	137,319	128,871	7%	£3,264	£2,647	23%	
Paton House (Built Env.)	1441	135,914	168,438	-19%	£2,618	£2,685	-2%	
MMMEM (Production Engineering	1371	131,068	216,065	-39%	£2,501	£3,667	-32%	
Rutland Hall Kitchen	2191	108,455	126,935	-15%	£2,047	£1,895	8%	
Lincoln Hall Kitchen	2150		107,256	-6%	£1,931	£1,693	14%	
	1436		89,518	11%	£2,159	£1,556	39%	
Rutland Hall Extension HWS	2195	96,480	115,298	-16%	£1,820	£1,750	4%	
Cavendish Hall Extension 1994		94,715	104,574	-9%	£1,789	£1,620	10%	
Lenton Close Annexe (Cripps H			111,732	-17%	£1,798	£1,692	6%	
Orchards	1161	90,464	97,902	-8%	£1,744	£1,562	12%	
Lenton Fields (China House)	2163		99,993	-16%	£2,899	£1,889	53%	
Playgroup	1411 2111	83,707 74,034	80,933	3%	£1,613	£1,248	29% 5%	
Cavendish Hall Kitchen Lenton & Wortley Hall Kitchen	2111	67,320	86,811 88,101	-15% -24%	£1,385 £1,260	£1,324 £1,261	<u> </u>	
Portland Building Kitchens	11111	66,964	90,618	-24%	£1,200 £1,296	£1,201 £1,370	-5%	
Former Warden's House, Caver		61,402	58,520	-20%	£1,290 £1,171	£910	29%	
Lenton Lodge	2251	52,613	45,791	15%	£1,012	£736	38%	
Warden's House Sherwoood Ha		50,198	63,807	-21%	£963	£986	-2%	
J.Boot C.C. Annexe (Cottage)		45,402	43,795	4%	£889	£699	27%	
Warden's House Rutland Hall	2194		42,520	-8%	£744	£687	8%	
Paton Cottage	8144		27,133	41%	£736	£407	81%	
Lenton Firs Lodge West	2241		14,370	158%	£708	£231	207%	
Warden's House Florence Boot	2133	34,611	32,344	7%	£658	£481	37%	
Warden's House Ancaster Hall	2105		39,171	-20%	£588	£619	-5%	
1 Nightingale Close (Nigh.Hall		27,871	32,563	-14%	£540	£482	12%	
5A Wortley Hall Close (Eco-Hou	2296		25,516	9%	£606	£412	47%	
New Eco-houses		10,891	24,483	-56%	£429	£338	27%	
Energy Learning Unit (old Squa			10,977	-19%	£257	£186	38%	
Sherwood Hall Laundry	2200		6,871	-10%	£126	£106	18%	
Total of 65 accounts	Totals	68,330,916	69,922,559	-2%	£1,269,972	£1,051,195	21%	

## 4.B - Appendix B – Fossil Fuel Data continued

Gas Invoices     2010/11     2009/10     % change     2010/11     2009/10     % change       Main Bolerhouse     6600     9,055,948     9,864,017     -8%     £ 182,732     £ 147,711     24%       Main Bolerhouse     6600     2,065,579     2,373,166     -9%     £ 44,441     £ 37,789     18%       Veterinary School     5721     1,863,392     1,913,599     -3%     £ 38,616     130,492     25%       Sports Hall SB (New)     5951     290,355     318,385     -9%     £ 60,051     £ 5,004     21%       The Eirns (Environmental Scief 5161     181,053     175,616     3%     £ 17,055     £ 1,403     8%       Bio-Energy and Brewing Sciend 5771     120,000     10%     £ 2,000     £ 1,173     £ 927     85%       Main Building (Bio-Science 5771     62,200     0     -     £ 2,015     £ 0     -     Part year, net       Food Sciences Building     5701     53,149     62,805     -15%     £ 990     £ 928     7%       Bonington Hall Laundy & Kym 5881     33,315	w building
Animal Houses Boilerhouse     6600     2,908,579     2,826,779     3%     E54,765     E43,394     2,6%       Plant Sciences     5711     2,149,938     2,373,166     -9%     E44,441     E37,189     18%       Sports Hall SB (New)     5951     290,365     318,385     -9%     £64,623     E60,01     150,042     25%       The Firs (Surgery No.2)     2533     230,353     175,616     -     64,423     E60     -     -     Part year, new       Evicon House     ###     120,000     120,000     1%     £2,000     £1,850     8%       Bio-Energy and Brewing Science 5771     62,203     45%     £1,713     £927     85%       Gateway Building (Bio-Science 5771     62,200     0     -     £2,015     E0     -     Part year, new       St.Michael's Nuse Fitat Nos 687     6842     59,804     76,896     -22%     £1,555     £1,318     18%     Food Science 557     £379     47%     E34,1121     23,757     11%     524     76%     £24,627     £1,3181	w building
Plant Sciences   \$711   \$2,149,938   \$2,373,166   -9%   £44,441   £37,789   18%     Veterinary School   5721   1,863,392   1,913,599   -3%   £6,051   £5,004   21%     The Firs (Surgery No.2)   5233   237,155   0   -   £4,423   £6,004   21%     The Eins (Environmental Scien 5161   181,053   175,616   3%   £3,695   £2,724   36%     Eviton House   ## #   120,053   0   -   £4,423   6%     Eviton House   ## #   120,053   0   -   £2,017   16.0   Partyear, net     Food Hall   Stittononingt5011   89,465   52,058   £1,705   £1,403   22%     Gateway Building (Bio-Science 5771   62,200   0   -   £2,015   £01   -   Partyear, net     Food Sciences Building   5701   53,149   62,805   -15%   £900   £228   7%6     Bonington Hall Bundry & Gym 5881   33,315   36,111   8%   £521   £411   11%6     24 College Road   6805   24,627	w building
Veterinary School     \$721     1,663,392     1,913,599     -3%     £38,161     £30,492     25%       Sports Hall SB (New)     \$951     290,365     318,385     -9%     £6,051     £5,004     21%       The Eirs (Surgery No.2)     \$233     237,153     10     -     £4,423     £0     -       The Eirs (Surgery No.2)     \$233     237,153     0     -     £4,423     £0     -       The Eirs (Surgery No.2)     \$233     0     -     £5,271     £0     -     Partyear, net       Food Hall     \$5081     89,975     \$2,038     45%     £1,713     £927     85%       Main Building (Bio-Science \$771     62,200     0     -     £2,015     £1     -     Partyear, net       Food Sciences Building     \$501     \$2,015     £1     736     £28     7%     £33,149     £3,8315     \$6,111     \$6,630     £4,173     £928     7%       Boinington Hall Landry & Gym IS81     33,315     36,111     8%     £531     £417     11%	w building
Sports Hall SB (New)     Sp51     290,365     318,385     -9%     £6,051     £5,004     21%       The Eins (Surgery No.2)     523     237,153     0     £4,423     £0     -       The Eins (Environmental Scien 5161     181,053     175,616     3%     £3,695     £2,724     36%       Eviton House     ## #     120,050     0     -     £5,2711     E0     -     Partyear, net       Main Building (Sutton BoningtSoill 89,975     62,038     45%     £1,705     £1,403     22%     50     -     Partyear, net       Main Building (Sutton BoningtSoill 89,975     62,038     45%     £1,705     £1,403     22%     50     -     Partyear, net       StMichaels House (Plats 1-5)     6841     31,121     23,757     31%     £57     £379     47%       Bonington Hall Loue (Plats 1-5)     6841     31,121     23,757     131%     £557     £379     47%       Bonington Hall Warden's House 5842     27,026     29,254     -8%     £521     £471     11%     56     £1	w building
The Firs (Surgery No.2)   5233   237, 153   0   E44, 23   E0   .     The Elms (Environmental Scient 5161   181, 053   175, 616   3%, 623, 695   £2, 724   36%     Eviton House   # # #   121,000   120,000   1%, £2,000   £1,850   8%     Bio-Energy and Brewing Scient 5781   120,353   0   -   £5,271   E0   -     Food Hall   5081   89,975   62,038   45%, £1,713   £927   85%     Main Building (Bio-Science 5771   62,200   0   -   £2,015   E0   -   Part year, new     Food Sciences Building (Bio-Science 5771   62,200   0   -   £2,015   E0   -   Part year, new     Food Sciences Building (Bio-Science 5771   62,200   0   -   £2,015   E0   -   Part year, new     Food Sciences Building (Bio-Science 5771   62,800   75,81   31,121   23,757   31%   £557   £379   47%     Bonington Hall Warden's House 5842   27,026   29,254   -8%   £521   £471   11%   52   College Road   6802	w building
The Elms (Environmental Scien 5161   181,053   175,616   3%   £3,695   £2,724   36%     Bio-Energy and Brewing Scienc 5781   120,353   0   -   £5,271   £0   -   Part year, new     Food Hall   5081   89,975   62,038   45%   £1,713   £927   65%     Main Building (Sutton Boningtch 5011   89,465   92,058   -   £2,015   0   -   Part year, new     St.Michael's Flats Nos 68A7   6842   59,804   768,96   -22%   £1,556   £1,318   18%     Food Sciences Building   5701   53,149   62,805   -15%   £990   £928   7%     Bonington Hall Laundry & Gym 5881   33,315   36,111   -8%   £630   £541   16%     St.Michael's House (Flats 1-5)   6841   31,121   23,757   31%   £557   £379   47%     St.Michael's House Flat   6842   24,622   27,616   -11%   £466   £4455   2%     St.Michael's House Flat   6841   12,733   26,810   -55%   £315   £423   £466   -9%	w building
Eviton House     # #     121,000     120,000     1%     £2,000     £1,850     8%       Bio-Energy and Brewing Scienc 5781     120,353     0     -     £5,271     £0     -     Part year, new       Food Hall     5081     89,975     62,038     45%     £1,713     £927     85%       Main Building (Socience 5771     62,200     0     -     £2,015     £0     -     Part year, new       Food Sciences Building     5701     53,149     62,805     -15%     £1,516     £1,318     18%       Bonington Hall Laundry & Gym     5881     33,315     36,111     -8%     £630     £541     16%       Bonington Hall Warders House 5842     27,026     29,254     -8%     £521     £471     11%       24 College Road     6805     24,627     27,616     -11%     £464     £440     5%       St.Michael's House Flat 1     6841     12,733     26,810     -33%     £417     £218     92%       St.Michael's House Flat 5     6841     12,253 <td< td=""><td>w building</td></td<>	w building
bio-Energy and Brewing Scient 5781   120,353   0   -   E5271   E0   -   Part year, net     Food Hall   5081   89,975   62,038   45%   £1,713   £927   85%     Main Building (Sutton Boningta 5011   89,465   92,058   -3%   £1,703   £1,403   22%     Gateway Building (Bio-Science 5771   62,200   0   -   £2,015   £0   -   Part year, net     St.Michael's Flats Nos 68X   6842   59,804   76,896   -22%   £1,556   £1,318   18%     Food Sciences Building   5701   53,149   62,805   -15%   £990   £928   7%     Bonington Hall Laundry & Gym 5881   33,315   36,111   -8%   £651   £379   47%     Bonington Hall Warden's House 5842   27,026   29,254   -8%   £521   £471   11%     24 College Road   6820   24,627   27,616   -11%   £464   £440   5%     51.Michael's House Flat   6841   12,533   26,801   -53%   £315   £425   26%   5%     St.Micha	w building
Food Hall     S081     89,975     62,038     45%     f1,713     £927     85%       Main Building (Sutton Boningds 5011     89,465     92,058     -3%     £1,705     £1,403     22%       Gateway Building (Bio-Science 5771     62,200     0     -     £2,015     £0     -     Part year, new       St.Michael's Flats Nos 6&7     6842     59,804     76,896     -22%     £1,556     £1,318     18%       Food Sciences Building     5701     53,149     62,805     -15%     £990     £928     7%       Bonington Hall Laundry & Gym 5881     33,315     36,111     -8%     £6530     £541     16%       St.Michael's House Flats 106     6805     24,627     27,616     -11%     £466     £4455     2%       St.Michael's House Flat 1     6841     12,533     26,801     -53%     £315     £4425     -26%       St.Michael's House Flat 5     6841     12,533     26,801     -53%     £315     £425     -26%       St.Michael's Hats Nos 8&9     6843     10,723 <td>w building</td>	w building
Main Building (Sutton Boningti S011     89,465     92,058     -3%     £1,705     £1,403     22%       Gateway Building (Bio-Science 5771     62,200     0     -     £2,015     £0     -     Part year, new       St.Michael's Flats Nos 6&7     6842     59,804     76,896     -22%     £1,556     £1,318     18%       Food Sciences Building     5701     53,149     62,805     -15%     £990     £928     7%       Bonington Hall Laundry & Gym 5881     33,315     36,111     8%     £6630     £541     16%       St.Michael's House (Flats 1-5)     6841     31,121     23,757     31%     £557     £379     47%       Bonington Hall Warden's House \$842     27,026     29,254     8%     £521     £471     11%       St.Michael's House Flat     6842     27,026     29,254     8%     £521     £471     11%       St.Michael's House Flat     6841     22,765     13,128     73%     £414     £212     26%       St.Michael's House Flat     6841     12,533     <	
St. Michael's Flats Nos 68.7   6842   59,804   76,896   -22%   £1,556   £1,318   18%     Food Sciences Building   5701   52,149   62,805   -15%   £990   £928   7%     Bonington Hall Laundry & Gym [5811   33,315   36,111   -8%   £630   £517   £379   47%     Bonington Hall Warden's House [5842   27,026   29,254   -8%   £527   £379   47%     24 College Road   6805   24,627   27,616   -11%   £464   £440   5%     52 College Road   6820   22,725   1537   £373   £417   £118   92%     Bio-Energy Biomass   5781   18,700   0   0%   £465   £0   0%   Partyear, nec     St.Michael's House Flat 3   6841   10,723   -3,919   -374%   £130   £99   31%     North Laboratory   5091   698   792   -12%   £14   £12   18%     Old Sports Hall SB(VLA)   5221   0   0   -   £11   £0   -     Hathern House, Bon. Hail (4)	
Food Sciences Building     5701     53,149     62,805     -15%     É990     É928     7%6       Bonington Hall Laundry & Gym     5881     33,315     36,111     -8%     £630     £541     16%6       St.Michael's House (Fiels 1-5)     6841     31,121     23,757     31%     £557     £379     47%6       Bonington Hall Warden's House (Set2     27,026     29,254     -8%     £521     £471     11%6       24 College Road     6820     24,218     28,107     -14%     £464     £440     5%6       St.Michael's House Flat 1     6841     12,753     26,801     -53%     £315     £425     -26%       St.Michael's House Flat 5     6841     11,253     26,801     -53%     £243     £266     -9%       St.Michael's House Flat 4     6841     6,823     6,198     10%     £130     £99     31%       North Laboratory     5051     32     63     -50%     £11     £1     -35%       South Laboratory     5051     32     63	w building
Bonington Hall Laundry & Gym S881   33,315   36,111   -8%   £630   £541   16%     St.Michael's House (Flats 1-5)   6841   31,121   23,757   31%   £557   £379   47%     Bonington Hall Warden's House S842   27,026   29,254   -8%   £521   £471   11%     24 College Road   6805   24,627   27,616   -11%   £466   £455   2%     52 College Road   6820   24,218   28,107   -14%   £464   £440   5%     St.Michael's House Flat 1   6841   12,753   26,801   -53%   £315   £425   -26%     St.Michael's House Flat 3   6841   11,253   16,636   -32%   £243   £266   -9%     St.Michael's House Flat 3   6843   10,723   -3,919   -374%   £14   £12   18%     South Laboratory   5091   698   792   -12%   £14   £12   18%     South Laboratory   5051   32   63   -50%   £1   £1   60   -     Vold Sports Hall S8(VLA)   5221	w building
St.Michael's House (Flats 1-5)   6841   31,121   23,757   31%   £557   £379   47%     Bonington Hall Warden's House   5842   27,026   29,254   -8%   £521   £471   11%     24 College Road   6820   24,627   27,616   -11%   £466   £440   5%     St.Michael's House Flat   6841   22,765   13,128   73%   £417   £218   92%     Bor-Energy Biomass   5781   18,700   0   0%   £865   £0   0%   Partyear, new     St.Michael's House Flat 5   6841   11,223   16,636   -32%   £243   £266   -9%     St.Michael's House Flat 4   6841   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michael's House Flat 4   6841   6,823   6,198   10%   £130   £99   31%     St.Michael's House Flat 4   6841   0,823   6,198   10%   £14   £12   18%     South Laboratory   5051   32   63   -50%   £14   £12   18%   0 <t< td=""><td>w building</td></t<>	w building
Bonington Hall Warden's House     5842     27,026     29,254     -8%     £521     £471     11%       24 College Road     6805     24,627     27,616     -11%     £466     £455     2%       52 College Road     6820     24,218     28,107     -14%     £464     £440     5%       St.Michael's House Flat 1     6841     12,253     26,801     -53%     £315     £425     -26%       St.Michael's House Flat 3     6841     11,253     16,636     -32%     £243     £266     -9%       St.Michael's Flats Nos 889     6843     10,723     -3,919     -374%     £340     -£27     -1348%       St.Michael's House Flat 4     6841     6,633     6,198     10%     £130     £99     31%       North Laboratory     5091     698     792     -12%     £14     £12     18%       South Laboratory     5051     32     63     -50%     £11     £0     -       Portakabins (T.C.R. unit)     5301     0     0     - <td>w building</td>	w building
24 College Road   6805   24,627   27,616   -11%   £466   £455   2%     52 College Road   6820   24,218   28,107   -14%   £464   £440   5%     St.Michael's House Flat 1   6841   22,765   13,128   73%   £417   £218   92%     Bio-Energy Biomass   5781   18,700   0   0%   £865   £0   0%   Part year, new     St.Michael's House Flat 3   6841   11,253   16,636   -32%   £243   £266   -9%     St.Michael's House Flat 3   6841   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michael's House Flat 4   6841   6,823   6,198   10%   £130   £99   31%     North Laboratory   5091   698   792   -12%   £14   £12   18%     South Laboratory   5091   32   63   -50%   £1   £1   -35%     Old Sports Hall SB/LA   5221   0   0   -   £0   -   -     Portakabins (T.C.R. unit)   5301	w building
52 College Road   6820   24,218   28,107   -14%   £464   £440   5%     St.Michaels House Flat 1   6841   22,765   13,128   73%   £417   £218   92%     Bio-Energy Biomass   5781   18,700   0   0%   £865   £0   0%   Part year, net     St.Michaels House Flat 5   6841   11,253   16,636   -32%   £243   £2266   -9%     St.Michael's House Flat 3   6843   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michael's House Flat 4   6843   16,823   6,198   10%   £130   £99   31%     North Laboratory   5051   32   63   -50%   £1   £11   £0   -     Portakabins (T.C.R. unit)   5301   0   -   £0   £11   £0   -     Jubilee Campus   KWh   KWh   kWh   kWh   £   £   £   £     Meary Mall   7130   1,222,549   1,236,348   -1%   £28,983   £19,848   46%   Transportatio	w building
St.Michael's House Flat 1   6841   22,765   13,128   73%   £417   £218   92%     Bio-Energy Biomass   5781   18,700   0   0%   £865   £0   0%   Part year, new     St.Michael's House Flat 5   6841   11,253   26,801   -53%   £243   £266   -9%     St.Michael's House Flat 3   6841   11,253   26,801   -53%   £243   £266   -9%     St.Michael's House Flat 4   6841   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michael's House Flat 4   6841   6,823   6,198   792   -12%   £14   £12   18%     South Laboratory   5051   32   63   -50%   £1   £1   £1   -35%     Old Sports Hall SR(VLA)   5221   0   0   -   £0   £0   -     Portakabins (T.C.R. unit)   5301   0   0   -   £0   £0   -     Jubilee Campus   KWh   KWh   KWh   KWh   £   £   £   £     Newark	w building
Bio-Energy Biomass     5781     18,700     0     0%     £865     £0     0%     Part year, net       St.Michael's House Flat 5     6841     12,533     26,801     -53%     £1315     £425     -26%       St.Michael's House Flat 3     6841     10,723     -3,919     -374%     £243     £266     -9%       St.Michael's House Flat 4     6841     6,823     6,198     10%     £130     £99     31%       North Laboratory     5091     698     792     -12%     £14     £12     18%       South Laboratory     5051     32     63     -50%     £11     £1     -35%       Old Sports Hall SB(VLA)     5221     0     0     -     £0     £0     -       Portakabins (T.C.R. unit)     5301     0     0     -     £0     610     -       Portakabins (T.C.R. unit)     5301     0     0     -     £11     £00%     -       Jubilee Campus     KWh     KWh     KWh     £     £	w building
St.Michaef's House Flat 5   6841   12,533   26,801   -53%   £315   £425   -26%     St.Michaef's House Flat 3   6841   11,253   16,636   -32%   £243   £266   -9%     St.Michaef's House Flat 4   6841   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michaef's House Flat 4   6841   6,823   6,198   10%   £130   £99   31%     North Laboratory   5051   32   63   -50%   £1   £1   -1348%     South Laboratory   5051   32   63   -50%   £1   £1   -55%     Old Sports Hall SB(VLA)   5221   0   0   -   £1   £1   -10%     Portakabins (T.C.R. unit)   5301   0   0   -   £0   £0   -     Cold oports Hall SP(VLA)   5221   0   0   -546   -100%   £0   -£13   -100%     Total of 29 accounts   Totals   17,516,108   18,089,356   -30%   £354,493   £276,305   28%     Jubilee Campus   KWh <td></td>	
St.Michael's House Flat 3   6841   11,253   16,636   -32%   £243   £266   -9%     St.Michael's Flats Nos 889   6843   10,723   -3,919   -374%   £340   -£27   -1348%     St.Michael's House Flat 4   6841   6,823   6,198   10%   £130   £99   31%     North Laboratory   5091   698   792   -12%   £14   £12   18%     South Laboratory   5051   32   63   -50%   £1   £1   -1     Portakabins (T.C.R. unit)   5301   0   0   -   £11   £0   -     Hathern House, Bon. Hall (4)   5831   0   0   -   £0   £0   -     Portakabins (T.C.R. unit)   5301   0   -546   -100%   £11   2009/10   % change     Jubilee Campus   KWh   KWh   KWh   K   £   £   £     Newark Hall   7130   1,222,549   1,236,348   -1%   £28,983   £19,848   46%   Transportatio     Computer Sciences (DCS) & Th 7040   760,442 <td></td>	
St. Michael's Flats Nos 8&9   6843   10,723   -3,919   -374%   £340   -£27   -1348%     St. Michael's House Flat   6841   6,823   6,198   10%   £130   £99   31%     North Laboratory   5091   698   792   -12%   £14   £12   18%     South Laboratory   5051   32   63   -50%   £1   £1   £1   -35%     Old Sports Hall SB(VLA)   5221   0   0   -   £0   £0   -     Hathern House, Bon. Hall (4)   5831   0   0   -   £0   £0   -   -     Portakabins (T.C.R. unit)   5301   0   -546   -100%   £0   -   -   -     Jubile Campus   KWh   KWh   KWh   kWh   £   £   £   £     Newark Hall   7130   1,222,549   1,236,348   -1%   £28,983   £19,848   46%   Transportatio     Computer Sciences (DCS) & Th 7040   760,442   804,805   -6%   £14,402   £12,805   12%     Business	
North Laboratory     5091     698     792     -12%     £14     £12     18%       South Laboratory     5051     32     63     -50%     £1     £1     £1     -       Old Sports Hall SB(VLA)     5221     0     0     -     £10     £0     -       Hathern House, Bon. Hall (4)     5831     0     0     -     £0     £0     -       Portakabins (T.C.R. unit)     5301     0     -546     -100%     £0     -£13     -100%       Total of 29 accounts     Totals     17,516,108     18,089,356     -3%     £354,493     £276,305     28%       Gas Invoices     2010/11     2009/10     % change     £     £     £     £       Jubilee Campus     KWh     kWh     kWh     £     £     £     £       Gas Invoices     2010/11     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%	
South Laboratory     5051     32     63     -50%     £1     £1     -1     -35%       Old Sports Hall SB(VLA)     5221     0     0     -     £11     £0     -       Hathern House, Bon. Hall (4)     5831     0     0     -     £0     £0     -       Portakabins (T.C.R. unit)     5301     0     -546     -100%     £0     -£13     -100%       Total of 29 accounts     Totals     17,516,108     18,089,356     -3%     £354,493     £276,305     28%       Subilee Campus     KWh     kWh     kWh     £     £     £     £       Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     <	
Old Sports Hall SD(VLA)     5221     0     0     -     £11     £0     -       Hathern House, Bon. Hall (4)     5831     0     0     -     £0     £0     -       Portakabins (T.C.R. unit)     5301     0     -546     -100%     £0     -£13     -100%       Total of 29 accounts     Totals     17,516,108     18,089,356     -3%     £354,493     £276,305     28%       Gas Invoices     2010/11     2009/10     % change     £010/11     2009/10     % change       Jubile Campus     kWh     kWh     kWh     £     £     £       Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Business School North (SMF)     7020     632,462     447,546     419%     £13,781     £6,970     98%       Business School South (New)     7080     588,894     588,034     0%	
Hathern House, Bon. Hall (4)   5831   0   0   -   £0   £0   -     Portakabins (T.C.R. unit)   5301   0   -546   -100%   £0   -£13   -100%     Total of 29 accounts   Totals   17,516,108   18,089,356   -3%   £354,493   £276,305   28%     Gas Invoices   2010/11   2009/10   % change   2009/10   % change   £	
Portakabins (T.C.R. unit)     5301     0     -546     -100%     £0     -£13     -100%       Total of 29 accounts     Totals     17,516,108     18,089,356     -3%     £354,493     £276,305     28%       Gas Invoices     2010/11     2009/10     % change     £     £     £     £       Jubilee Campus     kWh     kWh     kWh     £     £     £     £       Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)	
Total of 29 accounts     Totals     17,516,108     18,089,356     -3%     £354,493     £276,305     28%       Gas Invoices Jubilee Campus     2010/11     2009/10     % change     2010/11     2009/10     % change     £     28%     36     36     36     36     36     36     36     36     36     36     36 <td></td>	
Gas Invoices Jubilee Campus     2010/11 kWh     2009/10 kWh     % change kWh     2010/11 kWh     2009/10 kWh     % change £     2009/10 £     % change £     2010/11 £     2009/10 b     % change £     2009/10 £     % change £     2010/11 £     2009/10 b     % change £     2009/10 £     % change £     2000	
Jubilee Campus     kWh     kWh     kWh     £     £     £       Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Melton Hall     7110     647,648     600,889     8%     £12,260     £9,553     28%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301 <td></td>	
Jubilee Campus     kWh     kWh     kWh     £     £     £       Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Melton Hall     7110     647,648     600,889     8%     £12,260     £9,553     28%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301 <td></td>	
Newark Hall     7130     1,222,549     1,236,348     -1%     £28,983     £19,848     46%     Transportatio       Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Melton Hall     7110     647,648     600,889     8%     £12,260     £9,553     28%       Business School North (SMF)     7020     632,462     447,546     419     £11,729     £9,690     18%       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       Business School South (New)     7080     538,894     558,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     536,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     19%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,713     £5,238     47%       Catering (CCF) HWS<	
Computer Sciences (DCS) & Th 7040     760,442     804,805     -6%     £14,402     £12,805     12%       Melton Hall     7110     647,648     600,889     8%     £12,260     £9,553     28%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,131     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas	
Melton Hall     7110     647,648     600,889     8%     £12,260     £9,553     28%       Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,133     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       G Triumph Road	n Charges
Business School North (SMF)     7020     632,462     447,546     41%     £13,781     £6,970     98%     Transportatio       Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,131     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
Southwell Hall     7120     600,820     611,579     -2%     £11,429     £9,690     18%       The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,713     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	n Charges
The Exchange (CTF)     7030     588,894     588,034     0%     £11,230     £9,532     18%       Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,131     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       6 Triumph Road     49,700     0     -     £2,152     £0     -       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	in Charges
Business School South (New)     7080     535,698     456,170     17%     £10,195     £7,431     37%       Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,713     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
Dearing Building (FOE)     7050     513,459     508,882     1%     £9,572     £8,070     19%       Jubilee Sports Centre     7301     369,861     334,749     10%     £7,713     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
Jubilee Sports Centre     7301     369,861     334,749     10%     £7,713     £5,238     47%       Catering (CCF) HWS     7040     368,834     138,295     167%     £7,130     £2,063     246%       Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       Grouph Road     49,700     0     -     £2,152     £0     -       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
Geospatial Gas     7350     168,971     250,000     -32%     £4,200     £4,000     5%       6 Triumph Road     49,700     0     -     £2,152     £0     -       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
6 Triumph Road     49,700     0     -     £2,152     £0     -       Geospatial Biomass     ###     22,461     43,018     -48%     £900     £1,913     -53%	
Geospatial Biomass ### 22,461 43,018 -48% £900 £1,913 -53%	
Total of 13 items 6,481,798 6,020,317 8% ±133,947 ±97,113 38%	
Gas Invoices 2010/11 2009/10 % change 1296.36 1370.04 % change	
Others kWh kWh kWh 1170.9 910.12 £	
King's Meadow Campus     6901     4,253,498     3,303,407     29%     £85,116     £52,812     61%     CHP in opera	ation
Derby Medical School     3561     1,721,917     1,201,489     43%     £34,515     £18,872     83%	
Clinical Sciences (City Hospital 3325 1,100,000 1,750,000 -37% £30,000 £40,000 -25% Estd	
Grove Farm OIL 210,000 247,414 -15% £11,000 £10,870 1% Estd	
Clinical Sciences (City Hospital 3325     141,369     0     -     £4,000     £0     -       Sports Ground - Highfields     6311     137,496     190,344     -28%     £2,889     £3,066     -6%	
Sports Ground - Highlields     6311     137,496     190,344     -28%     £2,889     £3,066     -6%       14-22 Shakespeare Street     6101     137,000     269,676     -49%     £2,968     £4,344     -32%	
B Peachey Street     6102     123,000     203,070	
Boathouse OIL 50,000 50,000 0% £2,200 £2,000 10% Estd	
Tea Room Sports Ground - Highfiel 6311 -14,599 31,022 -147% -£203 £507 -140%	
Total of 9 accounts 7,859,750 7,190,028 9% £175,178 £134,786 30%	
2000/40 9/ abara 425 92 186.45	
Steam Used 2010/11 2009/10 % change 125.82 106.41 % change	
Medical School     kWh     kWh     kWh     £     £     £       Medical School     3101     18,933,000     19,239,000     -2%     £450,000     £410,000     10%     Estd from Un	i meters
Medical School     kWh     kWh     kWh     kWh     £     £     £       Medical School     3101     18,933,000     19,239,000     -2%     £450,000     £410,000     10%     Estd from Un       Embedded Units (Q.M.C.)     3101     4,000,000     4,040,000     -1%     £123,000     £112,000     10%     Estd	i meters

# 4.C - Appendix C - Water Data

Water Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Main Campus		cubic m.	cubic m.	cubic m.	£	£	£	
Main Supply, Sth Entrance	1000	451,548	464,566	-3%	£0	£0	0%	
Nightingale Hall	2161	10,567	4,673	126%	£0	£0	0%	
Science Area	1000	9,566	10,751	-11%	£0	£0	0%	
J.B.C.C. Banqueting	1481	2,443	2,269	8%	£0	£0	0%	
Redcourt	2221	1,987	451	340%	£0	£0	0%	
Lenton Eaves (UNSSC)	1461	1,689	902	87%	£0	£0	0%	Leak Dec 10
Paton House (Built Env.)	1441	1,055	993	6%	£0	£0	0%	
Lenton Grove (History)	1211	972	422	131%	£0	£0	0%	Building work
Lenton Hurst	2411	824	1,027	-20%	£0	£0	0%	
Lenton Firs - Built Environment	1431	774	444	74%	£0	£0	0%	
Jesse Boot Conference Centre	1481	747	464	61%	£0	£0	0%	
Beeston Lane Gardeners' Compou		404	542	-25%	£0	£0	0%	Estd
Lenton Lodge	2251	249	180	38%	£0	£0	0%	
Playgroup	1411	235	368	-36%	£0	£0	0%	
5A Wortley Hall Close (Eco-House)		45	63	-28%	£0	£0	0%	
Water+SWD Invoices	1000	0	0	-	£451,259	£447,364		
TE & Sewerage	1000	0	0	-	£424,494	£309,091		
Total of 17 accounts	Total	483,105	488,114	-1%	£875,753	£756,455	16%	
				~ .				
Water Invoices		2010/11	2009/10	% change	2010/11	2009/10	% change	
Sutton Bonington	0000	cubic m.	cubic m.	cubic m.	£	£	£	E
Landcroft Lane Meter	6800	144,000	124,711	15%	£0	£0		Estd
St.Michael's House (Flats 1-5)	6841	8,960	4,561	96%	£20,075	£9,929	102%	
College Road Meter	6800	8,600	7,403	16% 75%	£0	£0	- 92%	Estd
Bunny Park Farm SB TE Costs	6860 6800	140 0	80	/5%	£230 £127,822	£120 £119,929	92%	
SB Vater Costs	6800	0	0	-	£127,822 £125,000		17%	E-td
		0	0	-	,	£106,466	0%	ESTO
Trough, Kegworth Rd.	6910	161.700	136.755	- 18%	£24 £273,151	£24 £236,468	16%	
Total of 7 items	1	161,700	130,755	10%	2273,151	2230,400	10%	
Water Invoices		0040/44						
			2009/10	% change	2010/11	2009/10	% change	
		2010/11 cubic m	2009/10 cubic m	% change	2010/11 ۴	2009/10 ۴	% change	
New Campus	17000	cubic m.	cubic m.	cubic m.	£	£	% change £	
New Campus Jubilee Campus main meter	7000	<b>cubic m.</b> 59,386	cubic m. 58,532	cubic m. 1%	£ £0	£ £0	£	Plantroom leak
New Campus Jubilee Campus main meter Newark Hall	7130	cubic m. 59,386 19,662	cubic m. 58,532 13,881	cubic m.	£ £0 £0	£ £0 £0	£ -	Plantroom leak
New Campus Jubilee Campus main meter Newark Hall Southwell Hall	7130 7120	cubic m. 59,386 19,662 7,557	cubic m. 58,532 13,881 7,140	cubic m. 1% 42% 6%	£ £0 £0 £0	£ £0 £0 £0	£ - -	Plantroom leak
New Campus Jubilee Campus main meter Newark Hall Southwell Hall The Amenities Building	7130	<b>cubic m.</b> 59,386 19,662 7,557 2,216	cubic m. 58,532 13,881 7,140 1,652	cubic m. 1% 42%	£ £0 £0 £0 £0	£ £0 £0 £0 £0	£ - -	Plantroom leak
New Campus Jubilee Campus main meter Newark Hall Southwell Hall The Amenities Building 9 Triumph Road	7130 7120 7330	cubic m. 59,386 19,662 7,557 2,216 1,300	cubic m.       58,532       13,881       7,140       1,652       0	cubic m. 1% 42% 6%	£ £0 £0 £0	£ £0 £0 £0 £0 £0	£ - - - - -	Plantroom leak
New Campus Jubilee Campus main meter Newark Hall Southwell Hall The Amenities Building 9 Triumph Road International House	7130 7120	<b>cubic m.</b> 59,386 19,662 7,557 2,216	cubic m. 58,532 13,881 7,140 1,652	cubic m. 1% 42% 6% 34%	£ £0 £0 £0 £0 £0	£ £0 £0 £0 £0	£ - - - - -	
New Campus Jubilee Campus main meter Newark Hall Southwell Hall The Amenities Building 9 Triumph Road	7130 7120 7330 7320	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275	cubic m.       58,532       13,881       7,140       1,652       0       1,385	cubic m. 1% 42% 6% 34% - - -8%	£ 0 0 0 0 0 0 0 0 0 0 0	2 03 02 03 02 02 02 02 02	£ 	Plantroom leak
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre	7130 7120 7330 7320 7301	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861	cubic m. 58,532 13,881 7,140 1,652 0 1,385 771	cubic m.       1%       42%       6%       34%       -       -8%       12%	£ (£) (£) (£) (£) (£) (£) (£)	2 £0 £0 £0 £0 £0 £0 £0	£	
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building	7130 7120 7330 7320 7320 7301 7340	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677	cubic m. 58,532 13,881 7,140 1,652 0 1,385 771 501	cubic m.       1%       42%       6%       34%       -       -8%       12%       35%	2 03 03 03 03 03 03 03 03 03 03 03	2 03 03 03 03 03 03 03 03 03 03	£	
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building	7130 7120 7330 7320 7320 7301 7340	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326	cubic m. 58,532 13,881 7,140 1,652 0 0 1,385 771 501 371	cubic m.       1%       42%       6%       34%       -       -8%       12%       35%	2 03 03 03 03 03 03 03 03 03 03 03	2 03 03 03 03 03 03 03 03 03 03 03 03 03	£	
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building       6 Triumph Rd       Charnock Ave Sports Pavilion       Jubilee Campus Costs	7130 7120 7330 7320 7301 7340 7350	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 1 1 0	cubic m.       58,532       13,881       7,140       1,652       0       1,385       771       501       371       0       14       0	cubic m. 1% 42% 6% 34% - - - - - - - - - - - - -	£ £0 £0 £0 £0 £0 £0 £0 £0 £00 £900 £40 £187,633	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £50 £171,363	£ - - - - - - - - - - 20% 9%	
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building       6 Triumph Rd       Charnock Ave Sports Pavilion	7130 7120 7330 7320 7320 7301 7340 7350 7201	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 230 1	cubic m.       58,532       13,881       7,140       1,652       0       1,385       771       501       371       0       14	cubic m. 1% 42% 6% 34% - - - 8% 12% 35% - 12% - - - 93%	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £0 £00 £00	£ 	
New Campus Jubilee Campus main meter Newark Hall Southwell Hall The Amenities Building 9 Triumph Road International House Jubilee Sports Centre Sir Colin Campbell Building Geospatial Building 6 Triumph Rd Charnock Ave Sports Pavilion Jubilee Campus Costs Total of 11 items	7130 7120 7330 7320 7320 7301 7340 7350 7201	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 1 0 93,491	cubic m.       58,532       13,881       7,140       1,652       0       1,385       7711       501       371       0       14       0       84,248	cubic m. 1% 42% 6% 34% - - - - - - - - - - - - -	£ £0 £0 £0 £0 £0 £0 £0 £0 £900 £40 £187,633 £188,573	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £171,363 <b>£171,413</b>	£ - - - - - - - - - - - 20% 9% 10%	
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       6 Triumph Rd       Charnock Ave Sports Pavilion       Jubilee Campus Costs       Total of 11 items       Water Invoices	7130 7120 7330 7320 7320 7301 7340 7350 7201	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 1 0 93,491 2010/11	cubic m.       58,532       13,881       7,140       1,652       0       1,385       7771       501       371       0       44,248       2009/10	cubic m. 1% 6% 34% - - - - - - - - - - - - -	£ £0 £0 £0 £0 £0 £0 £0 £0 £900 £40 £187,633 £188,573 2010/11	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £171,363 £171,413	£ - - - - - - - - - - 20% 9% 10%	
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New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building       6 Triumph Rd       Charnock Ave Sports Pavilion       Jubilee Campus Costs       Total of 11 items       Water Invoices       Others       King's Meadow Campus       Clin Sci (City Hospital) Ph.1       Sports Ground - Highfields       Grove Farm - Changing Rooms       Boat House       14-22 Shakespeare Street       Sin Sci (City Hospital) Ph.2       Total of 12 accounts       Water Recharges	7130 7120 7330 7320 7301 7340 7350 7201 7350 7201 7350 7201 7350 7201 7350 7201 7350 7201 7350 7350 7201 7350 7350 7350 7350 7320 7320 7320 7320 7320 7320 7320 732	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 1 0 93,491 2010/11 cubic m. 10,200 2,218 2,092 2,000 1,200 4,79 62 57 18,308 2010/11	cubic m.       58,532       13,881       7,140       1,652       0       1,385       7711       501       3711       0       14       0       84,248       2009/10       cubic m.       6,998       1,600       1,735       1,245       1,709       34       0       13,190       2009/10	cubic m.       1%       42%       6%       34%       -       -8%       12%       35%       -12%       -93%       -       -       % change       cubic m.       46%       39%       21%       61%       9%       0%       83%       -       39%       Cubic m.	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £	£ £ £ £ 0 £ 171,363 £ 171,433 £ 171,413 £ £ 171,665 £ £ 171,665 £ £ 1,665 £ £ 1,665 £ £ 1,71,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,665 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,063 £ £ 1,163 £ £ 1,163 £ £ 1,163 £ £ 1,163 £ £ 1,163 £ £ 1,163 £ £ 1,163 £ £ 1,665 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 1,062 £ £ 0 1,065 £ 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 0 1,065 £ 1,06 \$ 1,065 £ 1,065 £ 1,06 \$ 1,06 \$ 1,00 \$ 1,00 \$ 1,00 \$ 1,	£	Jul '11 Estd ? Jul '11 Estd Dec - Jul Estd Jul '11 Estd
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building       6 Triumph Rd       Charnock Ave Sports Pavilion       Jubilee Campus Costs       Total of 11 items       Water Invoices       Others       King's Meadow Campus       Clin Sci (City Hospital) Ph.1       Sports Ground - Highfields       Grove Farm - Changing Rooms       Boat House       14-22 Shakespeare Street       & Peachey Street       Clin Sci (City Hospital) Ph.2       Total of 12 accounts       Water Recharges       Medical School	7130 7120 7330 7320 7301 7340 7350 7201 7201 7201 7000 83325 6311 6102 6321 6102 3325	cubic m. 59,386 19,662 7,557 2,216 1,300 1,275 861 677 326 230 0 93,491 2010/11 cubic m. 10,200 2,218 2,000 1,200 479 62 57 18,308 2010/11 cubic m.	cubic m.       58,532       13,881       7,140       1,652       00       1,385       7711       501       3711       00       14       00       84,248       2009/10       cubic m.       6,998       1,600       1,735       1,245       1,100       479       34       00       13,190       2009/10       cubic m.	cubic m.       1%       42%       6%       34%       -       -8%       12%       35%       -12%       -       12%       35%       -12%       -       -       0       -       0       -       0%       0%       0%       0%       33%       -       39%       % change       0%       0%       0%       0%       0%       0%       0%       -       39%       % change       cubic m.	£ £0 £0 £0 £0 £0 £0 £0 £00 £00	£ £ £0 £0 £0 £0 £0 £0 £0 £0 £0 £0 £0 £171,363 £171,413 2009/10 £ £3,7,163 £3,7,163 £3,7,163 £1,71,363 £1,71,363 £1,165 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,634 £1,065 £2,063 £1,065 £2,065 £1,075 £1	£	New build activity Jul '11 Estd ? Jul '11 Estd Dec - Jul Estd Jul '11 Estd Jul '11 Estd Jul '11 Estd ?
New Campus       Jubilee Campus main meter       Newark Hall       Southwell Hall       The Amenities Building       9 Triumph Road       International House       Jubilee Sports Centre       Sir Colin Campbell Building       Geospatial Building       6 Triumph Rd       Charnock Ave Sports Pavilion       Jubilee Campus Costs       Total of 11 items       Water Invoices       Others       King's Meadow Campus       Clin Sci (City Hospital) Ph.1       Sports Ground - Highfields       Grove Farm - Changing Rooms       Boat House       14-22 Shakespeare Street       8 Peachey Street       Clin Sci (City Hospital) Ph.2       Total of 12 accounts       Water Recharges       Medical School       Medical School	7130 7120 7330 7300 7300 7300 7300 7300 7300 73	cubic m.       59,386       19,662       7,557       2,216       1,300       1,275       861       677       326       230       1       0       93,491       2010/11       cubic m.       10,200       2,218       2,092       2,000       1,200       479       62       57       18,308       2010/11       cubic m.       45,288	cubic m.       58,532       13,881       7,140       1,652       0       1,385       7711       5011       3711       0       14       0       84,248       2009/10       cubic m.       6,998       1,600       1,735       1,245       1,100       479       34       0       13,190       2009/10       cubic m.       32,905	cubic m.       1%       42%       6%       34%       -       -8%       12%       35%       -12%       -       12%       35%       -12%       -       12%       35%       -12%       -       12%       -       12%       -       12%       -       11%       % change       0%       33%       -       39%	£ £0 £0 £0 £0 £0 £0 £0 £0 £0 £	£ £ £ £ £ £ £ £ £ £ £ £ £ £	£	New build activity Jul '11 Estd ? Jul '11 Estd Dec - Jul Estd Jul '11 Estd Jul '11 Estd Jul '11 Estd ? ?
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