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# Results

## August 2010 – October 2010

**The results for 1st August to 31st October 2010 are presented in the table below.**

| It's Better OFF Q4 Results | |
|---|---|
| Aug 09 – Oct 09 | 5,146,243 kWh |
| Aug 10 – Oct 10 | 4,718,462 kWh |
| Consumption Reduction | 427,781 kWh |
| **Percentage Reduction** | **8.3%** |
| **$CO_2$ Reduction** | **231.2 t/Co2** |
| **Cost Reduction** | **£36,361.00** |

Q2 Feb – April 10 - Increase of 3% (86.5t/CO2 & £13,600)
Q3 May – July 10 – Reduction of 4.23% (124t/C02 & £19,495)
Q4 Aug – Oct 10 – Reduction of 8.3% (231t/c02 & £36,361)
**Total reduction so far…**
Feb – Oct 10..
Reduction of 3.12%, 268.72t/CO2 & £42,256.05

**How has your building performed? Scroll down…**

Well Done LU.

It's great to see such a fantastic reduction. A huge number of buildings have seen some fantastic reductions in their consumption this quarter

There are still a number of buildings who have increased their consumption dramatically over the past quarter. We need your help to identify why. Please contact us at environment@lboro.ac.uk

For more information about the campaign, how your building performed or to get involved check out the website www.lboro.ac.uk/saveenergy

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## How did your building perform?

These buildings have all reduced their electricity consumed during Q4.

If you have done something out of the ordinary to reduce your consumption let us know, this may be something other champions may be able to try in their building.

| Building | % Saving | £ Saving | t/C02 Saving |
|---|---|---|---|
| Pilkington Libaray | -42.6% | -£14,840.15 | -94.37 |
| LUFS | -42.1% | -£764.58 | -4.86 |
| John Hardie | -30.5% | -£141.27 | -0.9 |
| Water based Hockey Lights | -27.2% | -£267.75 | -1.7 |
| John Pickford | -22.8% | -£69.87 | -0.44 |
| WU 23 | -21.6% | -£112.54 | -0.72 |
| imago Services | -21.2% | -£203.92 | -1.3 |
| Admin 2 | -13.5% | -£283.14 | -1.8 |
| Schofield Building | -13.2% | -£351.99 | -2.24 |
| Bridgeman | -12.2% | -£478.30 | -3.04 |
| DMT | -11.9% | -£373.74 | -2 |
| Matthew Arnold | -11.5% | -£188.53 | -1.2 |
| Haslegrave | -11.3% | -£1,492.18 | -9.49 |
| Sir Richard Morris | -11.2% | -£563.04 | -3.58 |
| Netball Badminton | -9.8% | -£541.54 | -3.44 |
| Sir David Wallace | -9.3% | -£379.36 | -2.41 |
| Wolfson Building | -8.6% | -£733.30 | -4.66 |
| Stewart Mason | -6.9% | -£363.89 | -2.31 |
| Anne Packer | -6.1% | -£8.50 | -0.05 |
| Sir Richard Morris Extension | -5.2% | -£75.99 | -0.48 |
| EHB Squash | -4.9% | -£28.65 | -0.18 |
| Security | -4.5% | -£75.48 | -0.48 |
| Michael Pearson East (LP1) | -4.0% | -£242.34 | -1.54 |
| Chemistry | -3.5% | -£906.53 | -5.76 |
| Holywell park | -3.4% | -£9,285.49 | -59.05 |
| Burleigh Court | -3.3% | -£928.37 | -5.9 |
| S Building | -1.5% | -£363.80 | -2.31 |
| Schofield Math CETL | -1.4% | -£14.96 | -0.1 |
| Hockey Pavilion | -1.1% | -£172.38 | -1.1 |
| Michael Pearson West (LP2) | -0.8% | -£47.86 | -0.3 |
| EHB | -0.7% | -£138.30 | -0.88 |
| FM Helpdesk | 0.0% | £0.00 | 0 |

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## How did your building perform?

These buildings have all increased the electricity they consumed during Quarter 4.

If you are aware of a reason for the increase please let us know. We don't want to tell you off, we just want to know why. There might be something we can do to help you reduce your consumption in the future.

| Building | % Increase | £ Increase | T/C02 Increase |
|---|---|---|---|
| Admin1 | 0.3% | £10.20 | 0.06 |
| Sir David Davies | 0.6% | £142.72 | 0.91 |
| international Student Centre | 0.8% | £1.96 | 0.01 |
| Tennis Centre | 0.8% | £31.20 | 0.2 |
| Herbert manzoni | 1.1% | £47.60 | 0.3 |
| Sir John Ferguson Cricket | 1.2% | £100.30 | 0.64 |
| Music Centre | 1.3% | £2.72 | 0.02 |
| Cylde Willams | 1.7% | £147.73 | 0.94 |
| Keith Green | 1.8% | £37.15 | 0.24 |
| Stewart Miller | 3.5% | £482.72 | 3.07 |
| Martin Hall | 4.4% | £155.64 | 0.99 |
| John Clements | 5.1% | £39.70 | 0.25 |
| Swimming Pool | 11.9% | £1,880.46 | 11.96 |
| Wavy Top | 12.0% | £350.54 | 2.23 |
| John Cooper | 14.9% | £87.89 | 0.56 |
| Burleigh Springs | 14.9% | £266.48 | 1.69 |
| G Block | 16.1% | £42.76 | 0.27 |
| GG Block | 16.2% | £151.64 | 0.96 |
| PEC | 18.5% | £2,044.42 | 13 |
| Brockington | 21.6% | £268.35 | 1.71 |
| international Office | 37.5% | £28.99 | 0.18 |
| Medical Center | 37.8% | £176.80 | 1.12 |
| James France | 42.5% | £2,381.79 | 15.15 |
| Undercroft | 42.7% | £871.42 | 5.54 |
| Seb Coe HIPAC | 46.4% | £2,005.83 | 12.76 |
| Graham Oldham | 80.7% | £509.41 | 3.24 |
| Dance Studio | 116.5% | £124.44 | 0.79 |

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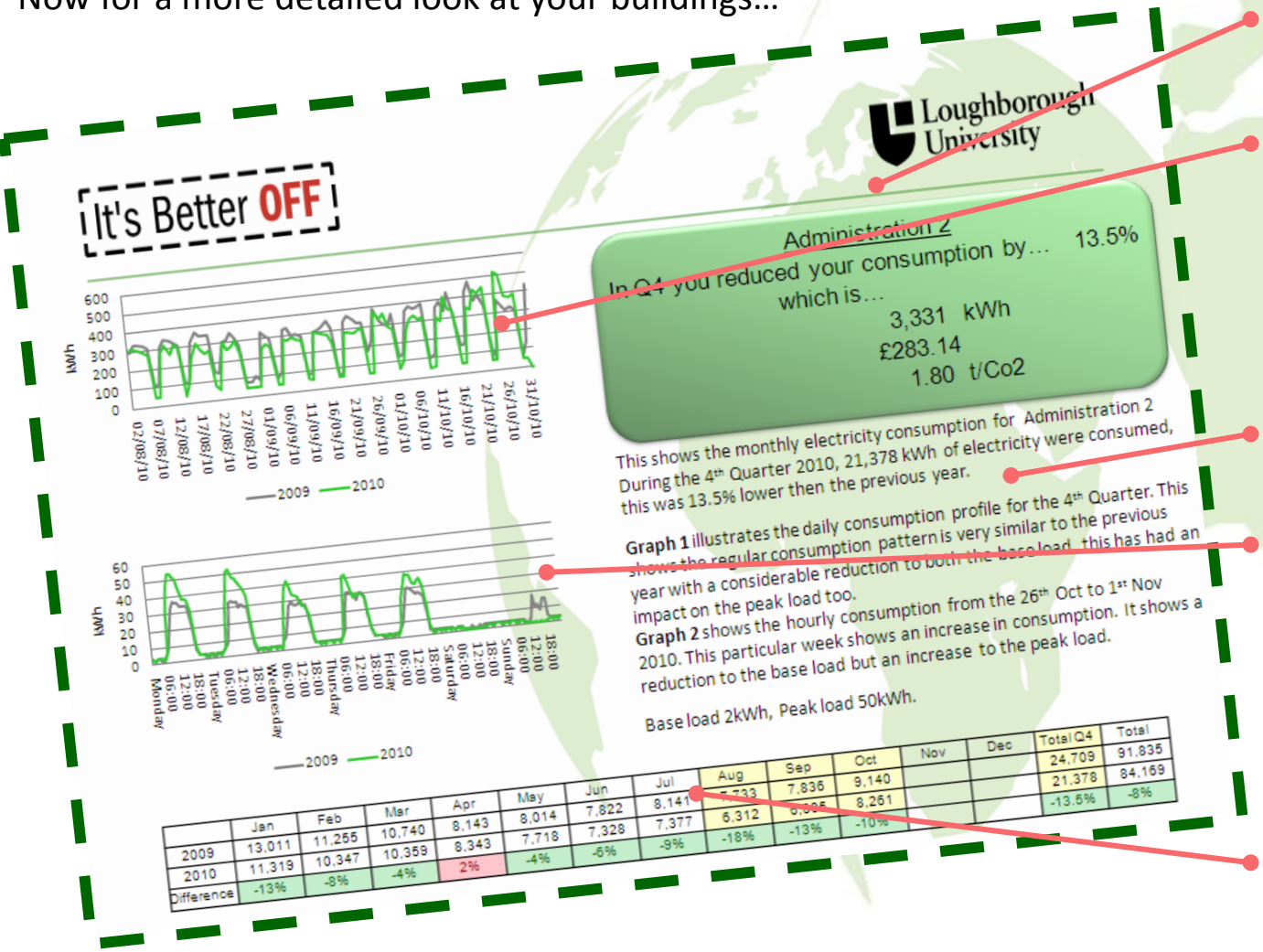
Now for a more detailed look at your buildings…




| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 13,011 | 11,255 | 10,740 | 8,143 | 8,014 | 7,822 | 8,141 | 7,733 | 7,836 | 9,140 | | | 24,709 | 91,835 |
| 2010 | 11,319 | 10,347 | 10,359 | 8,343 | 7,718 | 7,328 | 7,377 | 6,312 | 6,805 | 8,261 | | | 21,378 | 84,169 |
| Difference | -13% | -8% | -4% | 2% | -4% | -6% | -9% | -18% | -13% | -10% | | | -13.5% | -8% |

Performance summary for your building.
Green box – reduction in consumption
Red box – increase in consumption

Graph 1 – the amount of electricity your building has consumed each day.
Usually weekends can easily be defined as there will be a reduction in the amount of energy used. If this is not the case is the building used over the weekends? If not something may be left on!

Detailed account of you buildings performance

Graph 2 – the amount of electricity your building consumed each hour over a week. This helps define when each day the most / least energy is being used. If there is lots of energy being used when the building is closed, there may be something being left on!

Consumption Table – helps you track your monthly consumption to see how you are doing overall compared to the previous year.
Green box – reduction in consumption
Red box – increase in consumption

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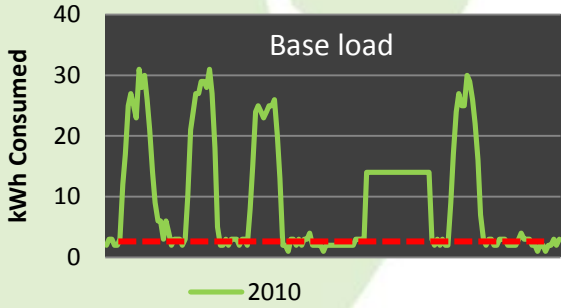
**Useful Terminology**
Some of the terminology we use to describe the energy you are using may be confusing, so here's some guidance to help…


**kWh** - (kilowatt hour) this is the amount of energy used over a 1 hour period. For example a 1 kW heater would use 1 kWh of energy every hour it's running. A 60W light bulb will use 60Wh (or 0.06kWh) of energy every hour it's running

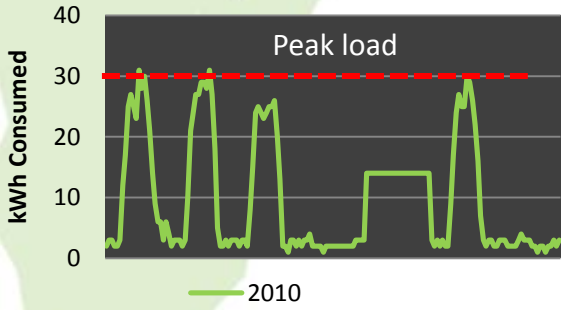
**Summary –** When we say your building has consumed 1000kWh of energy during January, your building has consumed the same  mount of energy as 1000 x 1kW Electric heater running for 1 hour.

**Base-load –** The base load is the energy the building is consuming all the time before any additional equipment is switched on. This load is 'there' 24/7 and depending how big this is, it will have either a big or small impact on the buildings. For example… A building with a small base load (>5kWh) will consume 43,800kWh before anyone comes into the building and turns anything on. (This is the equivalent to around £3,723 per year & 23T/CO2)




**Peak-Load** – The peak load for a building is the maximum amount of energy a building uses in one hour. This is the energy that is being used when everything is switched on during the day. You would expect to see this during the hours the building is open.

**Summary** – if there are any peaks where you wouldn't expect to see them this will need investigating. By reducing the  base load this will have a huge impact on the consumption. (even if it is just by 1kWh, it will save 8,760kWh or £745 per year!



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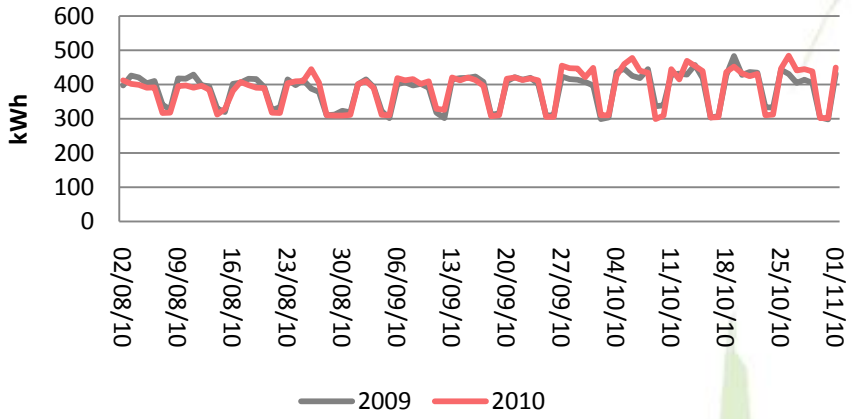


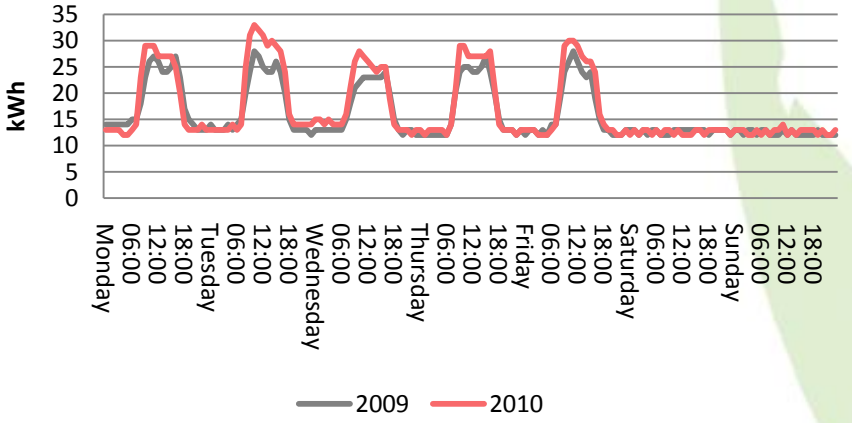


## Administration 1

In Q4 you increased your consumption by… 0.3%

which is…

120 kWh

£10.20

0.06 t/Co2

This shows the monthly electricity consumption for Administration 1

During the 4th Quarter 2010, 35,555 kWh of electricity were consumed, this was 0.3% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows the regular consumption pattern is very similar to the previous year with the same base load but an increased daily peak.
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows no change to the base load, but an increase in the peak load, do you know what has caused this increase?

Base load 13kWh, Peak load 30kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 14,709 | 13,363 | 14,245 | 11,790 | 12,446 | 11,634 | 12,081 | 11,703 | 11,422 | 12,311 | | | 35,436 | 125,704 |
| 2010 | 14,622 | 12,735 | 13,070 | 11,367 | 12,526 | 11,556 | 11,721 | 11,471 | 11,681 | 12,404 | | | 35,556 | 123,153 |
| Difference | -1% | -5% | -8% | -4% | 1% | -1% | -3% | -2% | 2% | 1% | | | 0.3% | -2% |

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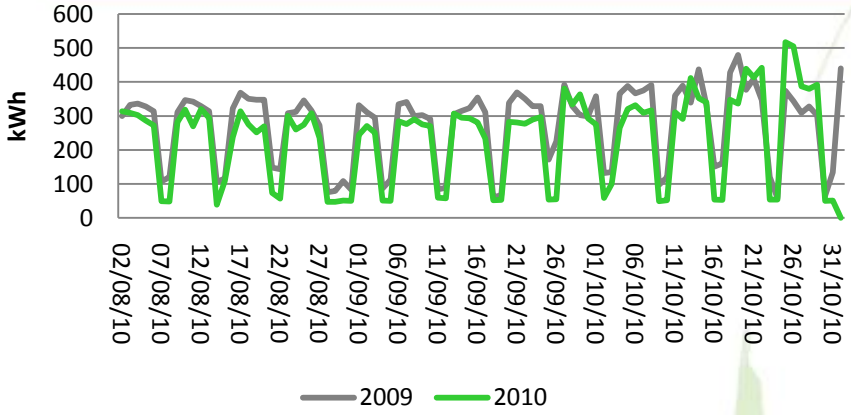


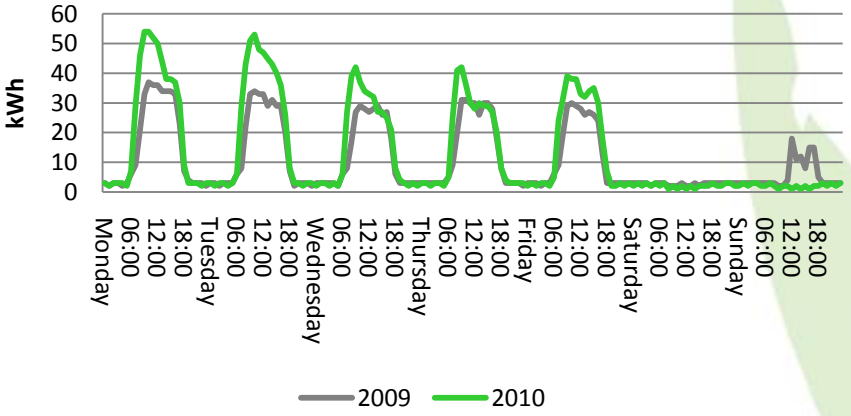


## Administration 2

In Q4 you reduced your consumption by… 13.5%

which is…

3,331 kWh

£283.14

1.80 t/Co2

This shows the monthly electricity consumption for Administration 2 During the 4th Quarter 2010, 21,378 kWh of electricity were consumed, this was 13.5% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows the regular consumption pattern is very similar to the previous year with a considerable reduction to the base load, this has had an impact on the peak load too.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular week shows an increase in consumption. It shows a reduction to the base load but an increase to the peak load.

Base load 2kWh, Peak load 50kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 13,011 | 11,255 | 10,740 | 8,143 | 8,014 | 7,822 | 8,141 | 7,733 | 7,836 | 9,140 | | | 24,709 | 91,835 |
| 2010 | 11,319 | 10,347 | 10,359 | 8,343 | 7,718 | 7,328 | 7,377 | 6,312 | 6,805 | 8,261 | | | 21,378 | 84,169 |
| Difference | -13% | -8% | -4% | 2% | -4% | -6% | -9% | -18% | -13% | -10% | | | -13.5% | -8% |

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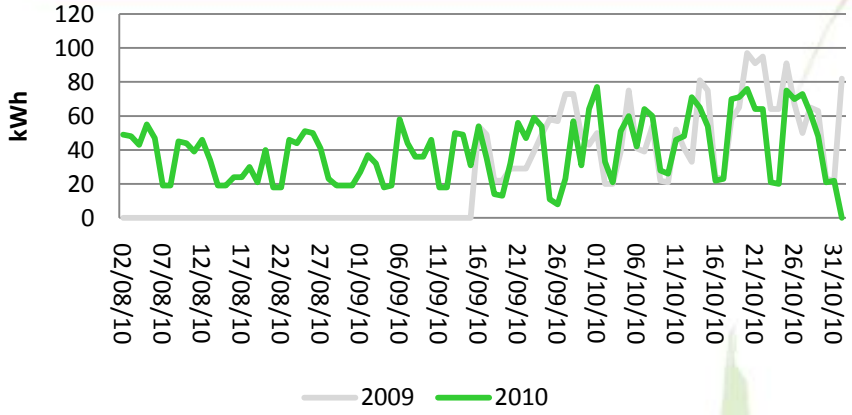


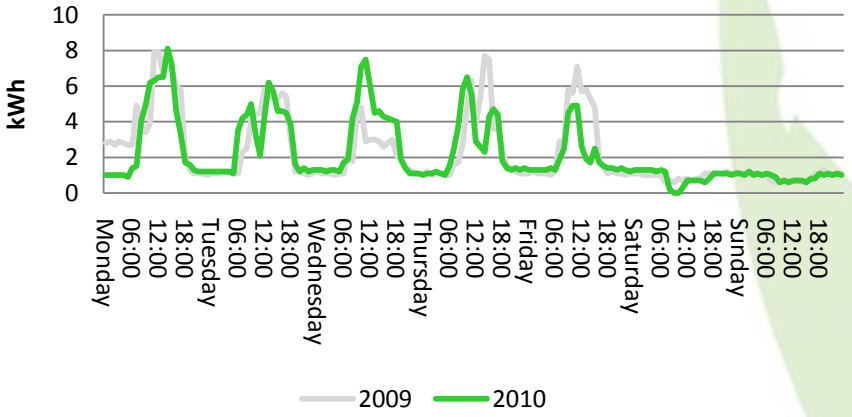


## Anne Packer

In Q4 you reduced your consumption by… 6.1%
which is…
100 kWh
£8.50
0.05 t/Co2

This shows the monthly electricity consumption for Ann Packer.
Due to a metering fault no data is available during August and part of September 2010

During the 4th Quarter 2010, 1,546 kWh of electricity were consumed, this was 15.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general reduction, especially to the peak load.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight reduction to the base and peak loads.

Base load 1kWh, Peak load 8kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,749 | 1,921 | 2,037 | 1,416 | 2,247 | - | - | - | - | 1,646 | | | 1,646 | 11,016 |
| 2010 | 1,622 | 1,706 | 1,906 | 1,151 | 1,541 | - | - | - | - | 1,546 | | | 1,546 | 9,472 |
| Difference | -7% | -11% | -6% | -19% | -31% | | | | | -6% | | | -6.1% | -14% |

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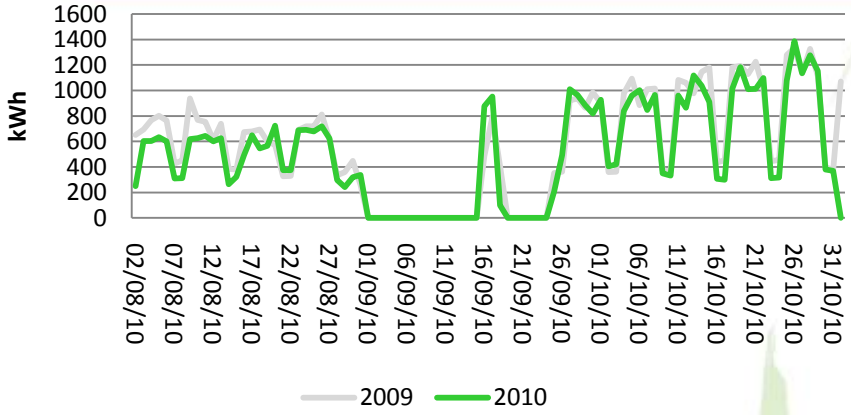


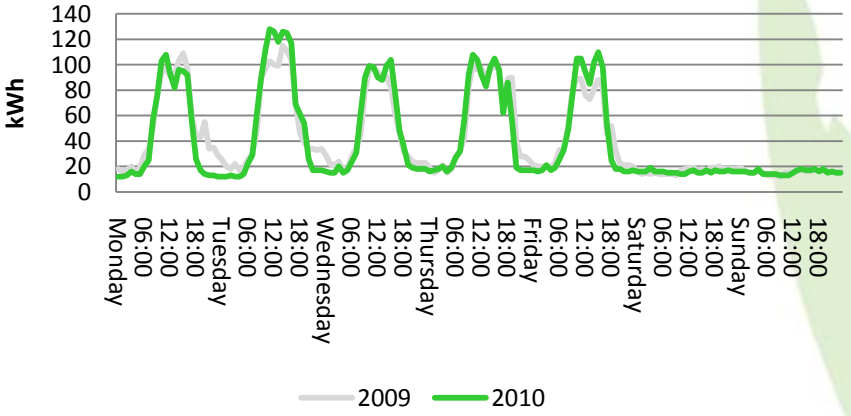


## Bridgeman

In Q4 you reduced your consumption by… 12.2%
which is…
5,627 kWh
£478.30
3.04 t/Co2

This shows the monthly electricity consumption for Bridgeman Centre. Due to a metering fault no data is available for September.

During the 4th Quarter 2010, 40,608 kWh of electricity were consumed, this was 12.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction in the peak load during August and again during September

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. During August this shows shorter working times in the building therefore using less electricity, but little change in the base and peak loads

Base load 18kWh, Peak load 124kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 28,195 | 27,549 | 33,374 | 22,346 | 33,064 | 23,790 | 20,944 | 18,349 | - | 27,886 | | | 46,235 | 235,497 |
| 2010 | 25,714 | 25,799 | 29,515 | 19,984 | 29,770 | 21,202 | 8,243 | 15,337 | - | 25,271 | | | 40,608 | 200,835 |
| Difference | -9% | -6% | -12% | -11% | -10% | -11% | -61% | -16% | | -9% | | | -12.2% | -15% |

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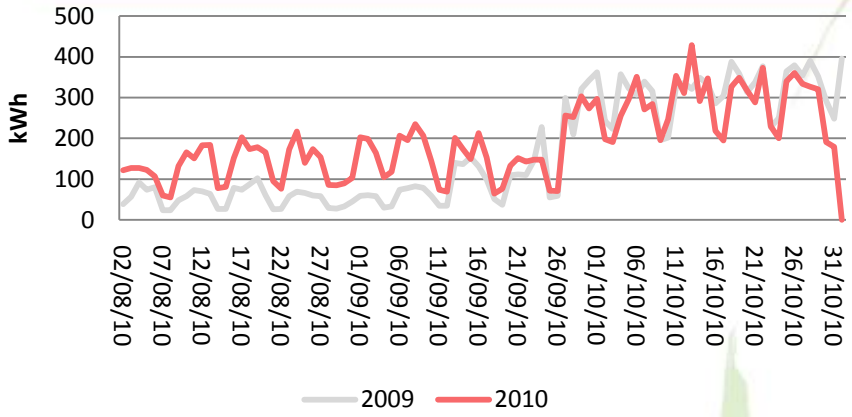


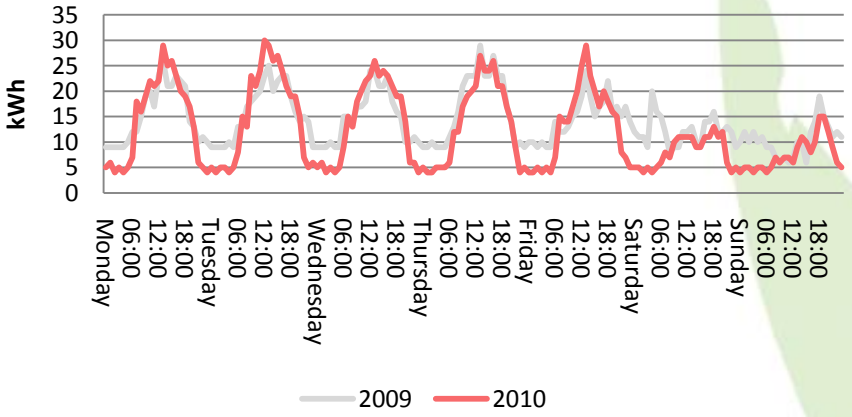


## Brockington Building

In Q4 you increased your consumption by… 21.6%
which is…

3,157 kWh

£268.35

1.71 t/Co2

This shows the monthly electricity consumption for Brockington Building During the 4th Quarter 2010, 17,793 kWh of electricity were consumed, this was 21.6% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows the consumption was much higher during August and September this year as the building was not fully occupied during Aug/Sept 2009. During October the consumption was lower than the previous year (when fully occupied)

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction to the base load but an increase over short periods to the peak load.

Base load 2kWh, Peak load 50kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 4,150 | 4,115 | 3,506 | 1,841 | 1,621 | 1,565 | 1,644 | 1,661 | 3,126 | 9,849 | | | 14,636 | 33,078 |
| 2010 | 11,025 | 10,418 | 10,717 | 7,937 | 7,588 | 3,669 | 3,406 | 4,023 | 4,905 | 8,865 | | | 17,793 | 72,553 |
| Difference | 166% | 153% | 206% | 331% | 368% | 134% | 107% | 142% | 57% | -10% | | | 21.6% | 119% |

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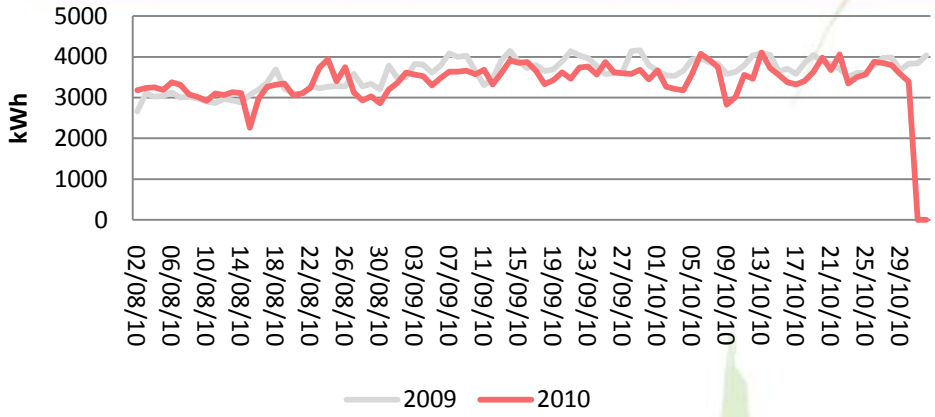
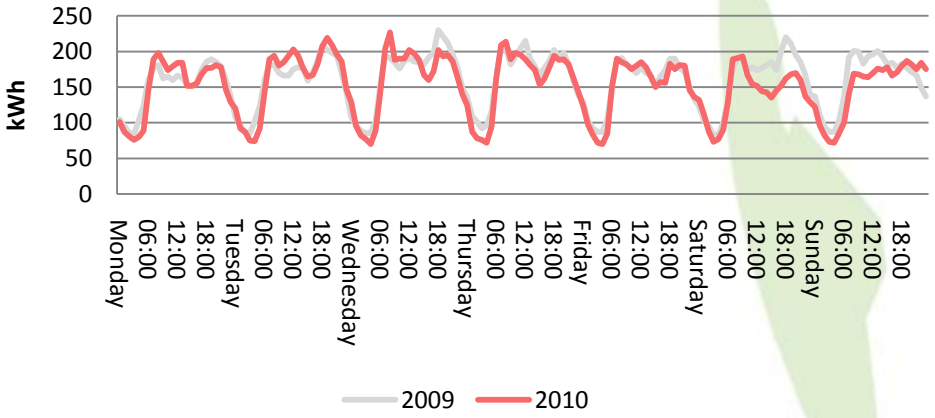



## Burleigh Court

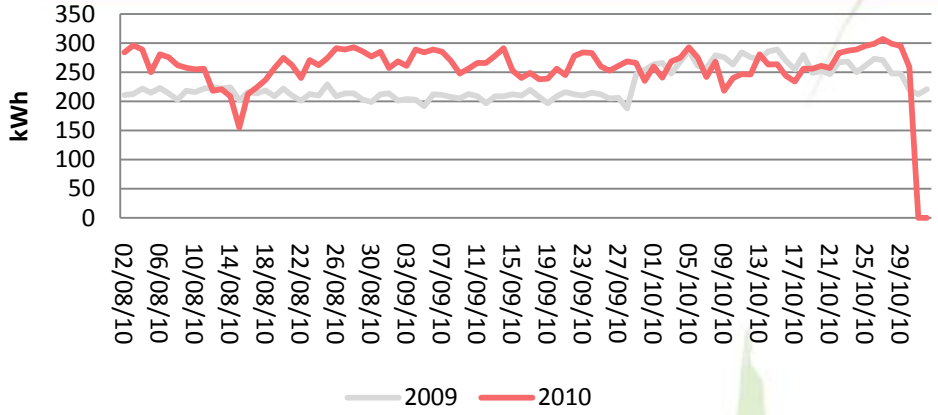
In Q4 you reduced your consumption by… 3.3%
which is…
10,922 kWh
£928.37
5.90 t/Co2

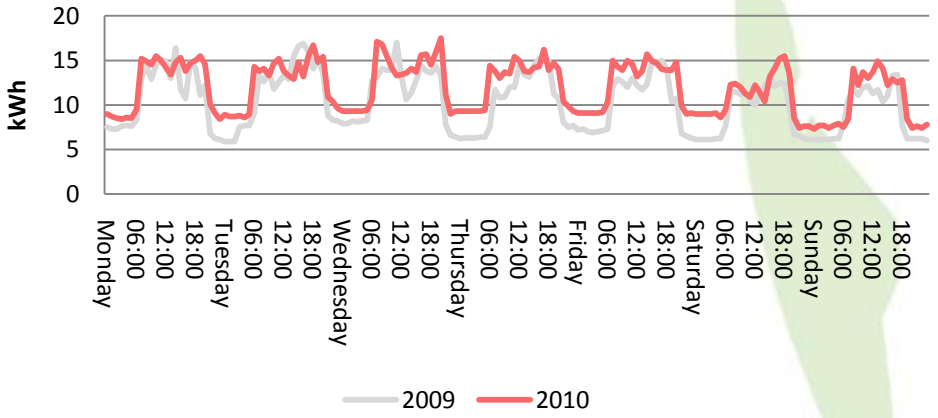
This shows the monthly electricity consumption for Burleigh Court. During the 4th Quarter 2010, 317,370 kWh of electricity were consumed, this was 3.3% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a slight increase in August, but a substantial reduction continuing through August and September.
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction to the base load and no increase to the peak load.

Base load 75kWh, Peak load 215kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 130,360 | 121,241 | 132,656 | 123,138 | 122,551 | 115,402 | 118,366 | 97,077 | 114,061 | 117,154 | | | 328,292 | 1,192,006 |
| 2010 | 120,316 | 110,089 | 117,421 | 109,928 | 109,128 | 100,632 | 106,737 | 98,637 | 107,938 | 110,795 | | | 317,370 | 1,091,621 |
| Difference | -8% | -9% | -11% | -11% | -11% | -13% | -10% | 2% | -5% | -5% | | | -3.3% | -8% |




## Burleigh Springs

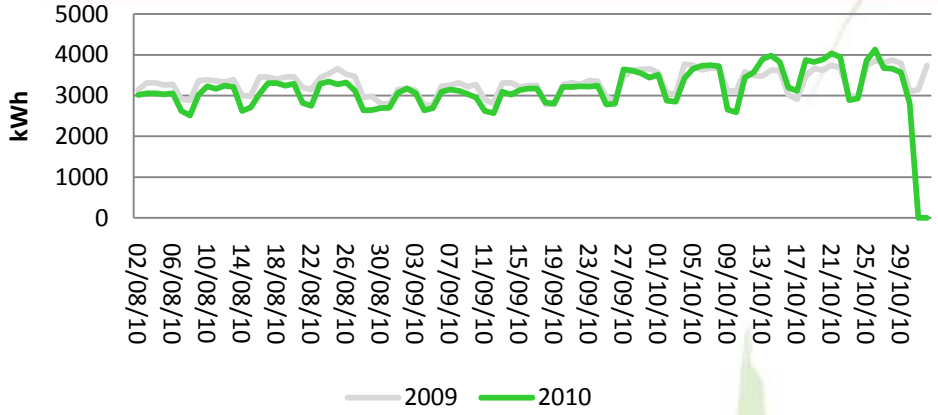
In Q4 you increased your consumption by… 14.9%
which is…
3,135 kWh
£266.48
1.69 t/Co2

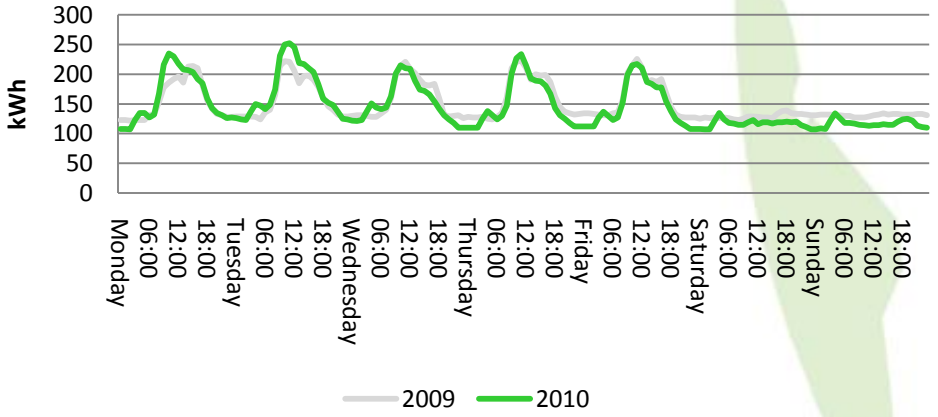
This shows the monthly electricity consumption for Burleigh Springs. During the 4th Quarter 2010, 24,182 kWh of electricity were consumed, this was 14.9% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a large increase in August and September, but during October 2009 the consumption increased to the same level it is operating at now. **Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows an increase to both the base load and peak load

Base load 9kWh, Peak load 17kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 8,746 | 6,442 | 7,023 | 6,794 | 6,866 | 6,698 | 6,843 | 6,590 | 6,266 | 8,191 | | | 21,047 | 70,459 |
| 2010 | 7,367 | 6,685 | 8,173 | 8,724 | 8,671 | 7,843 | 7,708 | 8,019 | 7,917 | 8,246 | | | 24,182 | 79,353 |
| Difference | -16% | 4% | 16% | 28% | 26% | 17% | 13% | 22% | 26% | 1% | | | 14.9% | 13% |




## Chemistry

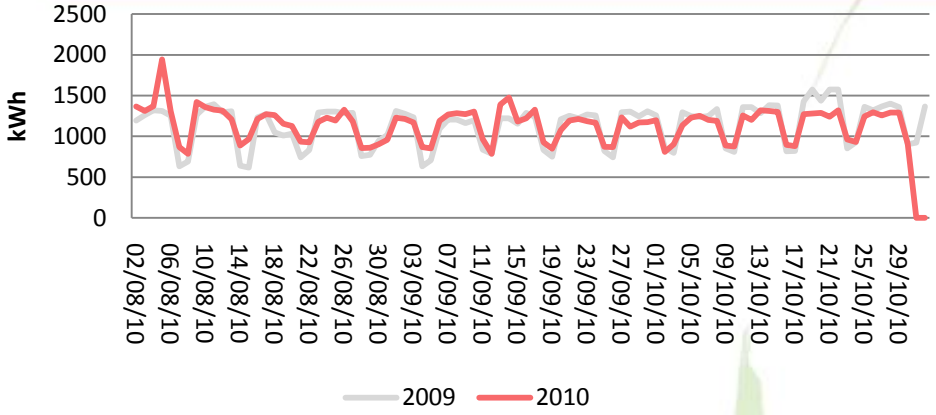
In Q4 you reduced your consumption by… 3.5%
which is…
10,665 kWh
£906.53
5.76 t/Co2

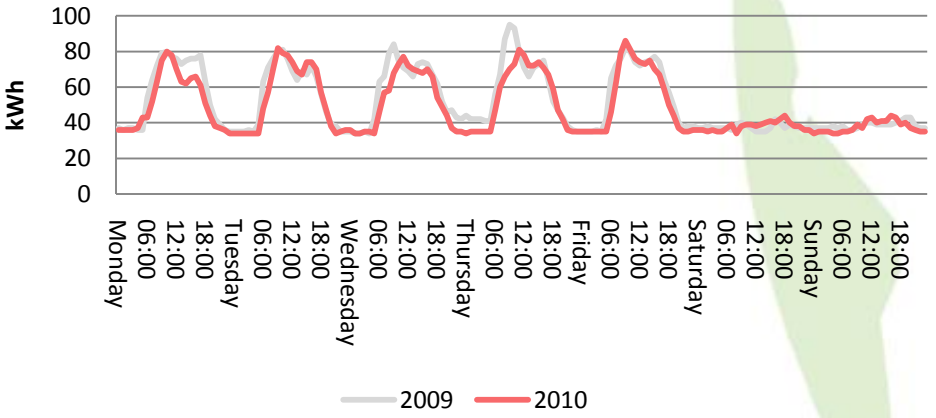
This shows the monthly electricity consumption for the Chemistry Building.
During the 4th Quarter 2010, 191,718 kWh of electricity were consumed, this was 3.5% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general reduction in both the midweek load and the weekend base load.
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction to both the peak and base load.

Base load 100kWh, Peak load 250kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 98,796 | 101,859 | 110,579 | 91,585 | 106,187 | 99,082 | 103,644 | 100,529 | 94,789 | 108,065 | | | 303,383 | 1,015,115 |
| 2010 | 99,686 | 96,137 | 110,185 | 91,067 | 96,865 | 96,242 | 86,014 | 92,710 | 92,356 | 107,652 | | | 292,718 | 968,914 |
| Difference | 1% | -6% | 0% | -1% | -9% | -3% | -17% | -8% | -3% | 0% | | | -3.5% | -5% |




## Clyde Williams

In Q4 you increased your consumption by… 1.7%
which is…
1,738 kWh
£147.73
0.94 t/Co2

This shows the monthly electricity consumption for Clyde Williams Sports Hall.
During the 4th Quarter 2010, 105,242 kWh of electricity were consumed, this was 1.7% higher than the previous year.

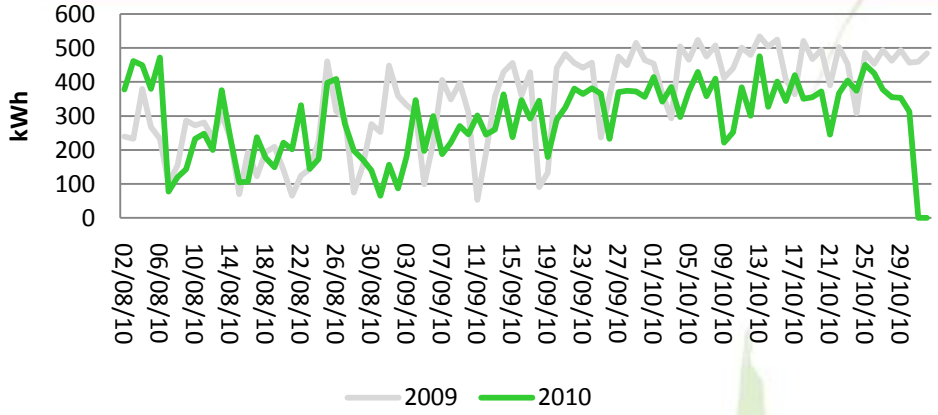
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. Quite a large increase to the weekend base load, but during October a reduction to the midweek peak load. During October Clyde Williams saw its first reduction of the year.
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight reduction to the base load, but very little change in the peak load during this week.

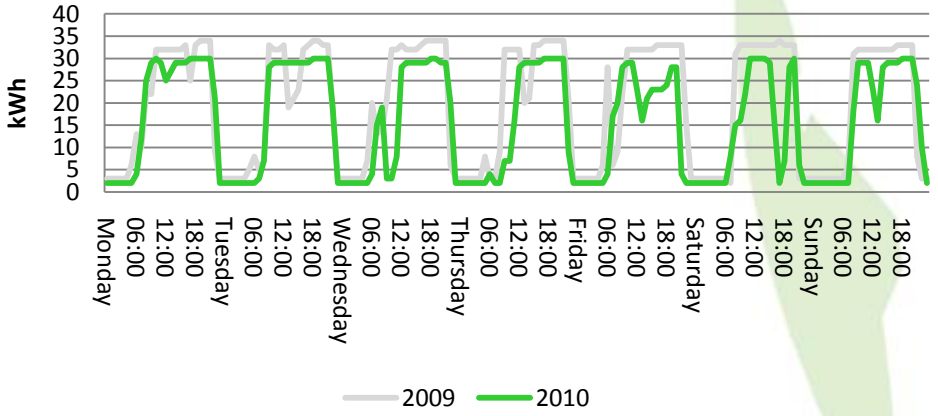
Base load 38kWh, Peak load 80kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 27,128 | 28,932 | 31,563 | 26,663 | 29,423 | 29,927 | 31,914 | 32,789 | 32,984 | 37,731 | | | 103,504 | 309,054 |
| 2010 | 35,168 | 35,188 | 39,361 | 35,226 | 40,488 | 40,256 | 42,262 | 35,845 | 34,059 | 35,338 | | | 105,242 | 373,191 |
| Difference | 30% | 22% | 25% | 32% | 38% | 35% | 32% | 9% | 3% | -6% | | | 1.7% | 21% |

It's Better OFF

Loughborough University




## Dan Maskell Tennis

In Q4 you reduced your consumption by… 11.9%

which is…

3,691 kWh

£313.74

2.00 t/Co2

This shows the monthly electricity consumption for Dan Maskell Tennis Centre.

During the 4th Quarter 2010, 17,253 kWh of electricity were consumed, this was 11.9% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. There as an increase in consumption during August, but a dramatic decrease in the consumption during September and October. There is no visible differences between the mid weekend and weekend consumption.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows there has been no change to the base load, but a reduction to the peak load and operation hours.

Base load 2kWh, Peak load 30kWh.

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 15,150 | 14,404 | 14,235 | 9,584 | 10,786 | 7,951 | 5,384 | 6,437 | 10,300 | 14,207 | | | 30,944 | 108,438 |
| 2010 | 14,003 | 13,042 | 13,561 | 10,311 | 10,419 | 7,354 | 7,887 | 7,394 | 8,583 | 11,276 | | | 27,253 | 103,830 |
| Difference | -8% | -9% | -5% | 8% | -3% | -8% | 46% | 15% | -17% | -21% | | | -11.9% | -4% |

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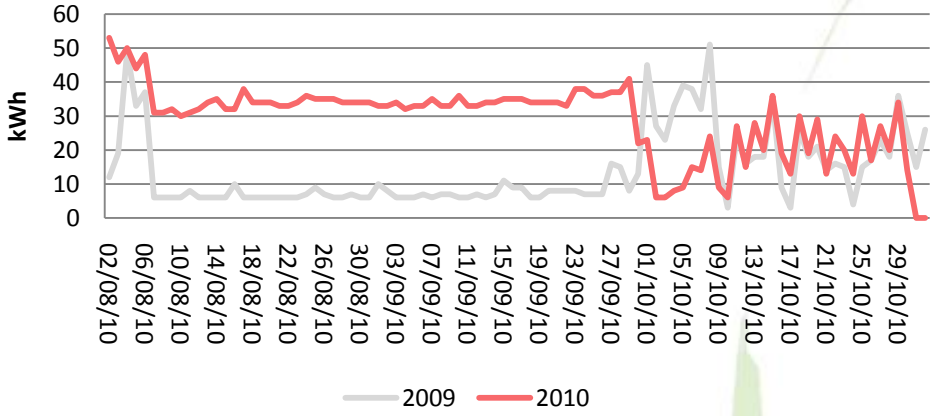
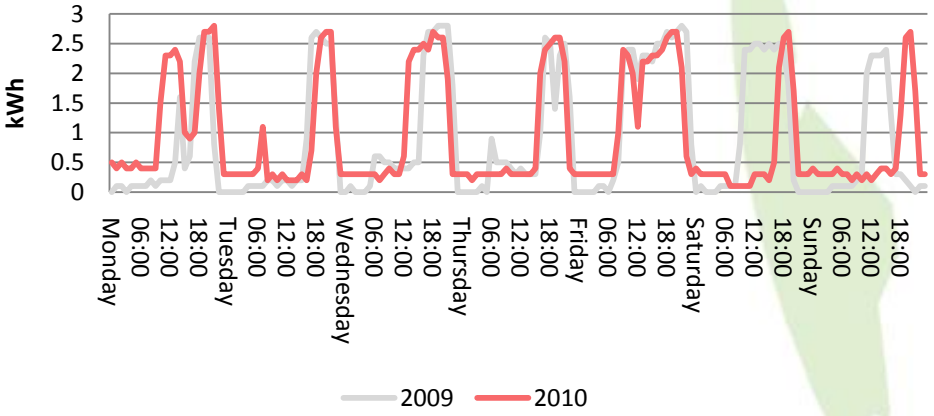
Loughborough University




## Dance Studio

In Q4 you increased your consumption by… 116.5%
which is…
1,464 kWh
£124.44
0.79 t/Co2

This shows the monthly electricity consumption for Dance Studio During the 4th Quarter 2010, 2,721 kWh of electricity were consumed, this was 116.5% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. During August and September the consumption was much higher, but returning to normal in October.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows there has been a light increase to the base load, but a reduction in the utilisation of the facility causing an overall reduction in consumption.

Base load 0.5kWh, Peak Load 3kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,381 | 1,176 | 1,242 | 931 | 463 | 262 | 250 | 331 | 236 | 690 | | | 1,257 | 6,962 |
| 2010 | 507 | 624 | 1,147 | 1,179 | 1,226 | 963 | 520 | 1,111 | 1,030 | 580 | | | 2,721 | 8,887 |
| Difference | -63% | -47% | -8% | 27% | 165% | 268% | 108% | 236% | 336% | -16% | | | 116.5% | 28% |

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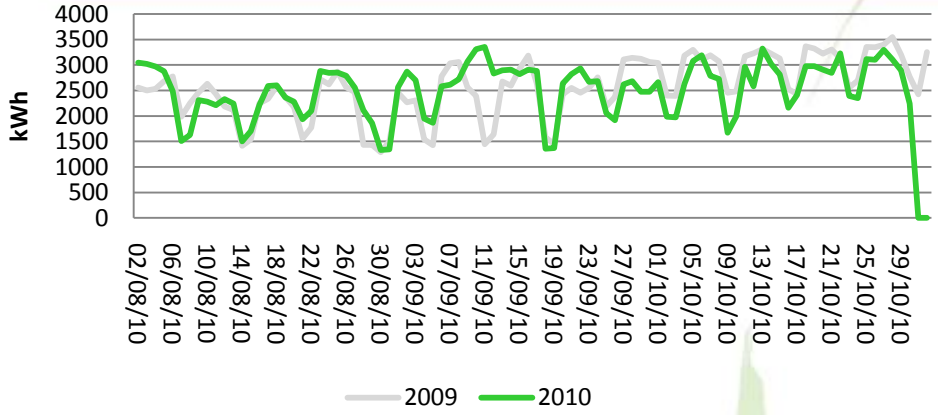
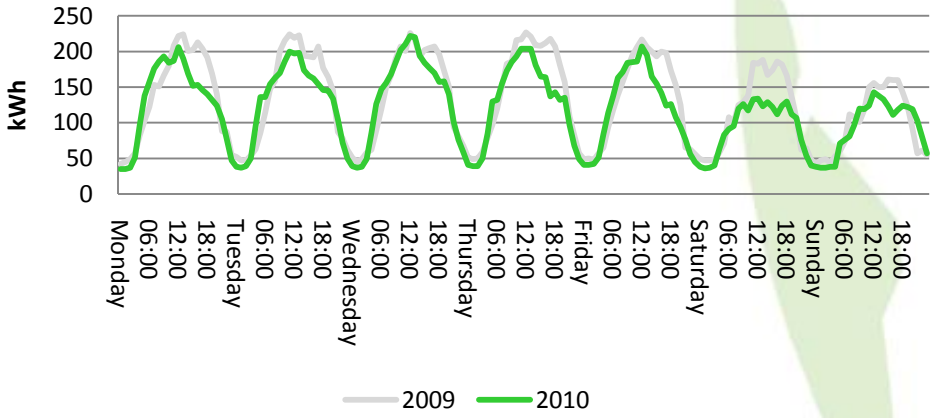



## Edward Herbert Building

In Q4 you reduced your consumption by… 0.7%

which is…

1,627 kWh

£138.30

0.88 t/Co2

This shows the monthly electricity consumption for Edward Herbert Building

During the 4th Quarter 2010, 232,602 kWh of electricity were consumed, this was 0.7% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. During August and September the consumption was higher than 2009, but October saw the EHB's first reduction this year.

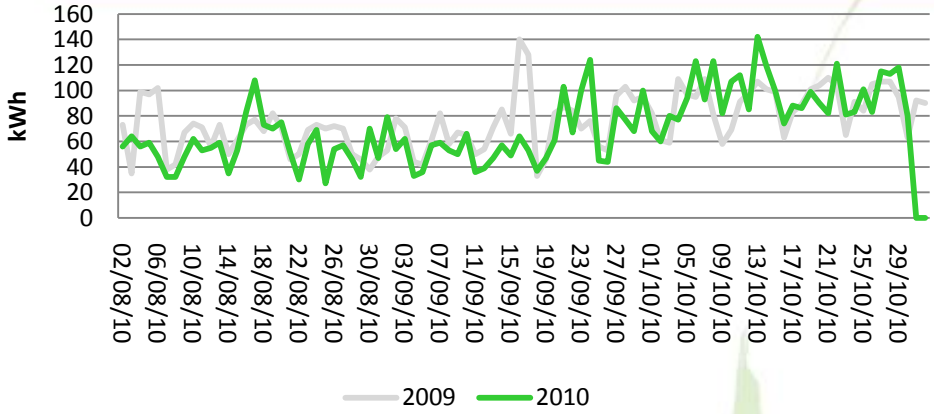
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows no difference in the base load, but a slight reduction in the peak load and a possible reduction in opening times / utilisation on some days.

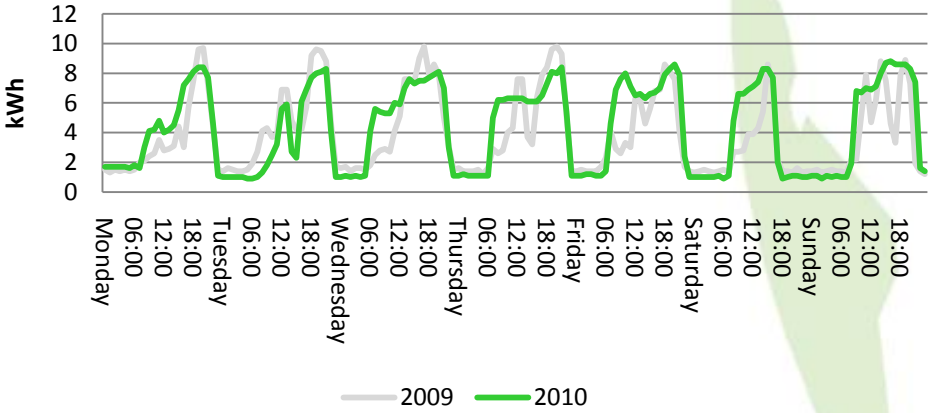
Base load 40kWh, Peak Load 215kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 82,049 | 79,179 | 82,097 | 72,436 | 72,375 | 71,062 | 70,633 | 68,197 | 72,117 | 93,915 | | | 234,229 | 764,060 |
| 2010 | 93,928 | 93,434 | 94,037 | 76,876 | 93,679 | 84,767 | 85,489 | 71,407 | 77,543 | 83,652 | | | 232,602 | 854,812 |
| Difference | 14% | 18% | 15% | 6% | 29% | 19% | 21% | 5% | 8% | -11% | | | -0.7% | 12% |

It's Better OFF

Loughborough University




## EHB Squash Courts

In Q4 you reduced your consumption by… 4.9%
which is…

337 kWh

£28.65

0.18 t/Co2

This shows the monthly electricity consumption for Edward Herbert Squash Courts

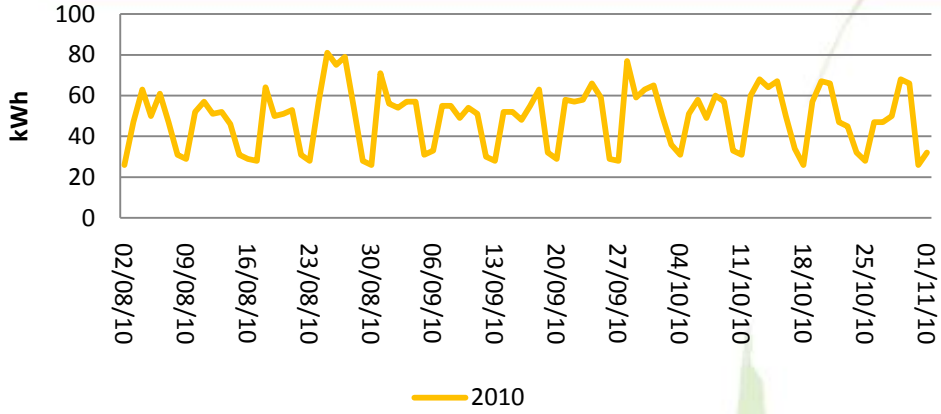
During the 4th Quarter 2010, 6,551 kWh of electricity were consumed, this was 4.9% lower than the previous year.

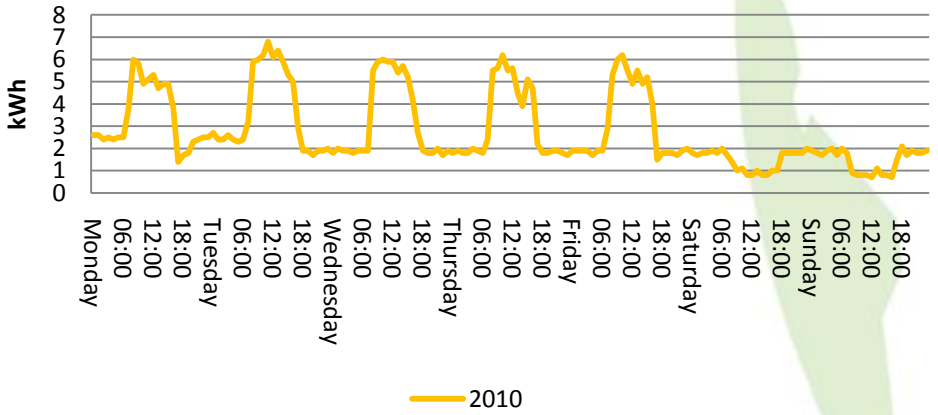
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. During August and September the consumption was lower than 2009, but during October the consumption increased by 8%

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows no change to the base load, a small reduction to the peak load but the profile looks like the lighting may not be being switched off between uses, unless the courts are in fact busier throughout the day.

Base load 1kWh, Peak Load 8kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 2,021 | 2,292 | 2,375 | 1,722 | 2,147 | 2,031 | 2,205 | 1,968 | 2,139 | 2,781 | | | 6,888 | 21,681 |
| 2010 | 2,039 | 2,196 | 2,349 | 2,085 | 2,260 | 2,406 | 1,832 | 1,701 | 1,854 | 2,996 | | | 6,551 | 21,718 |
| Difference | 1% | -4% | -1% | 21% | 5% | 18% | -17% | -14% | -13% | 8% | | | -4.9% | 0% |




## Facilities Management Helpdesk

This is a new meter which was installed in May 2010, the information below is a guide to the consumption of the building so far

This shows the monthly electricity consumption for Facilities Management Helpdesk
During the 4th Quarter 2010, 4,954 kWh of electricity were consumed.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a regular consumption pattern clearly showing a reduction in consumption over the weekends.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a very low base load over the weekends during the day. I anticipate this is due to the building being closed and the external lighting being off during the day.

Base load 2kWh, Peak Load 7kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | | | | | | | | | | | | | | - |
| 2010 | | | | | | 1,513 | 1,596 | 1,424 | 1,627 | 1,903 | | | 4,954 | 8,063 |
| Difference | | | | | | | | | | | | | | |

It's Better OFF

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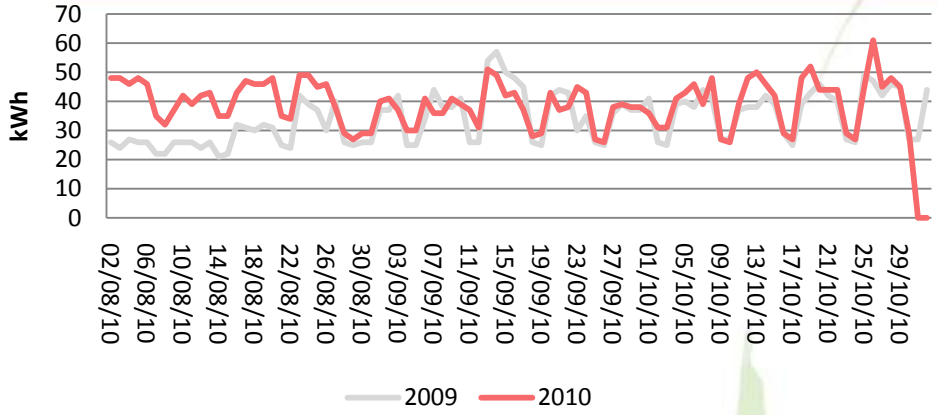
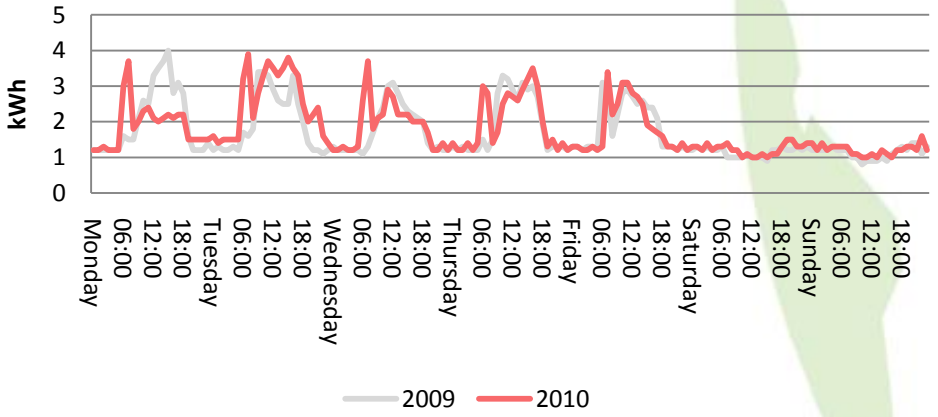



## G Block

In Q4 you increased your consumption by… 16.1%
which is…

503 kWh

£42.76

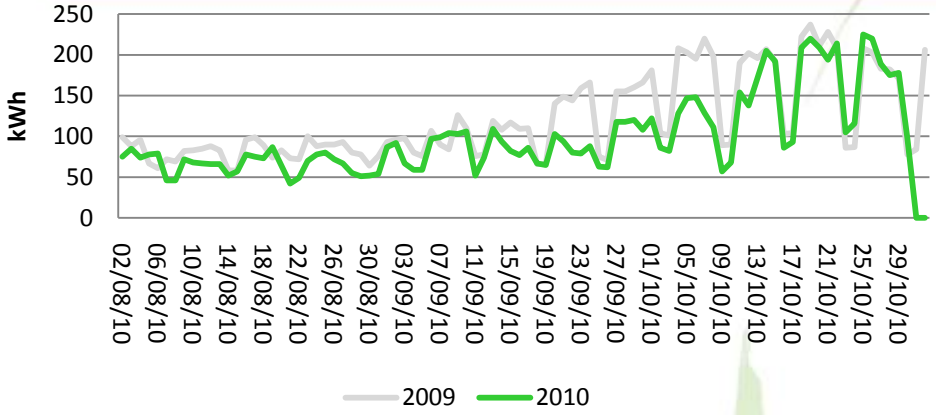
0.27 t/Co2

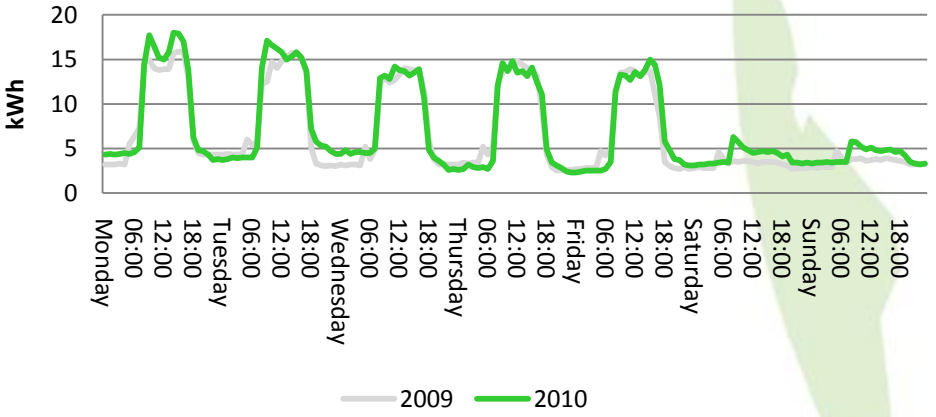
This shows the monthly electricity consumption for G Block During the 4th Quarter 2010, 3,619 kWh of electricity were consumed, this was 16.1% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a massive increase during August, starting to level out a little more in September and October, but still continuing to show an increase. **Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows very little change to the base load and peak load, although the operational hours seem to be fluctuating throughout the week

Base load 1kWh, Peak Load 4kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,552 | 1,140 | 1,156 | 956 | 1,267 | 1,752 | 773 | 863 | 1,099 | 1,154 | | | 3,116 | 11,712 |
| 2010 | 1,942 | 1,166 | 1,316 | 983 | 1,324 | 1,862 | 1,077 | 1,250 | 1,130 | 1,239 | | | 3,619 | 13,289 |
| Difference | 25% | 2% | 14% | 3% | 4% | 6% | 39% | 45% | 3% | 7% | | | 16.1% | 13% |




## GG Block

In Q4 you reduced your consumption by… 16.2%
which is…

1,784 kWh

£151.64

0.96 t/Co2

This shows the monthly electricity consumption for GG Block During the 4th Quarter 2010, 9,211 kWh of electricity were consumed, this was 16.2% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction throughout the quarter, especially during September where there is a large reduction to the peak load.

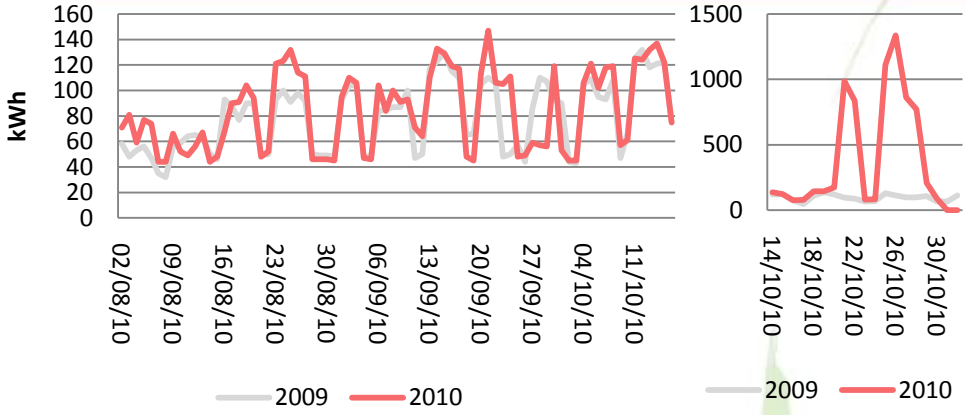
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows an increase in both the peak load and the base load on several occasions, otherwise the consumption remains similar

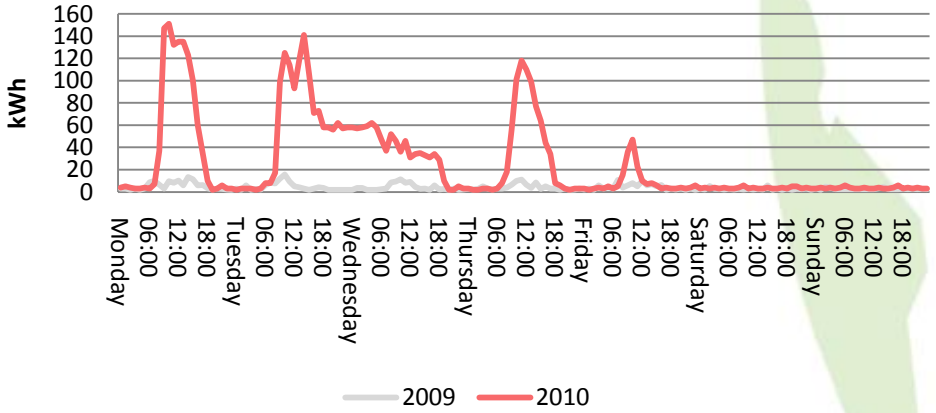
Base load 5kWh, Peak Load 18kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 5,987 | 5,874 | 6,161 | 4,310 | 3,758 | 2,831 | 2,840 | 2,484 | 3,257 | 5,254 | | | 10,995 | 42,756 |
| 2010 | 5,966 | 5,725 | 6,021 | 4,372 | 3,420 | 2,321 | 2,002 | 2,027 | 2,612 | 4,572 | | | 9,211 | 39,038 |
| Difference | 0% | -3% | -2% | 1% | -9% | -18% | -30% | -18% | -20% | -13% | | | -16.2% | -9% |

It's Better OFF

Loughborough University




## Graham Oldham

In Q4 you increased your consumption by…80.7%
which is…
5,993 kWh
£509.41
3.24 t/Co2

This shows the monthly electricity consumption for Graham Oldham During the 4th Quarter 2010, 13,416 kWh of electricity were consumed, this was 16.1% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This is a similar profile to 2009, except slightly higher, but graph 1b shows a massive increase in consumption over just a couple of days, this is shown in greater detail in graph 2

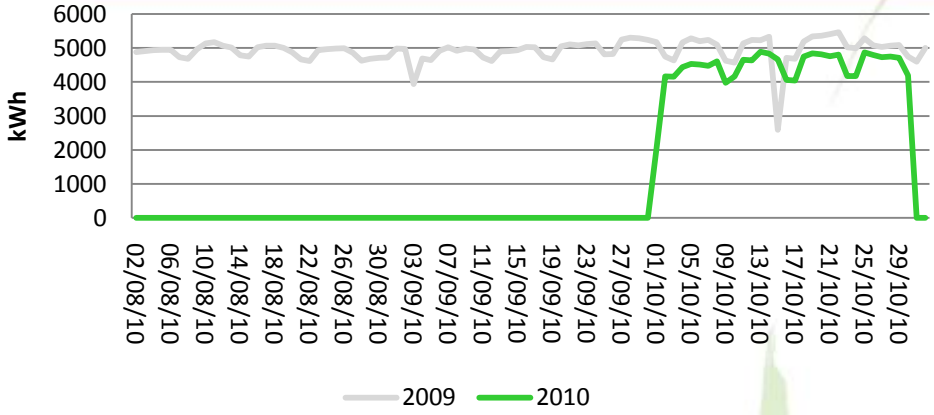
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows several very high peaks in consumption compared to previous years. Is the cause of this increased consumption known?

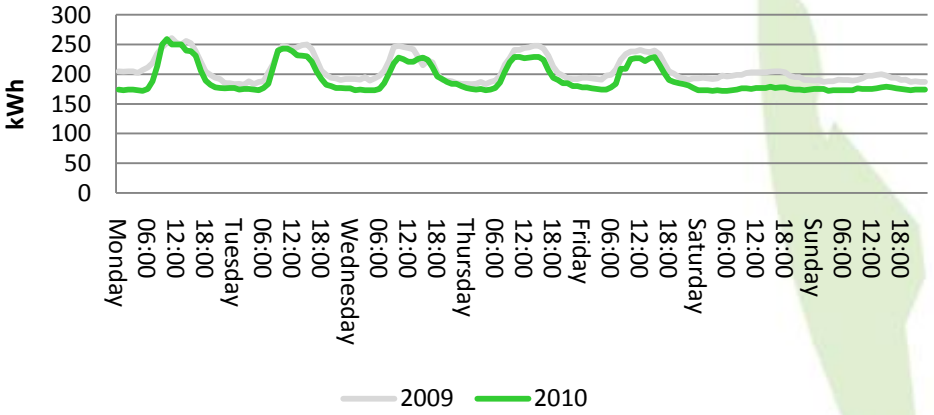
Base load 2kWh, Peak Load 145kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 3,316 | 2,386 | 2,773 | 2,451 | 2,391 | 2,639 | 1,091 | 1,965 | 2,528 | 2,930 | | | 7,423 | 24,470 |
| 2010 | 6,446 | 3,859 | 5,349 | 2,671 | 3,554 | 4,217 | 1,781 | 2,205 | 2,676 | 8,535 | | | 13,416 | 41,293 |
| Difference | 94% | 62% | 93% | 9% | 49% | 60% | 63% | 12% | 6% | 191% | | | 80.7% | 69% |

It's Better OFF

Loughborough University




## Haslegrave

In Q4 you reduced your consumption by… 11.3%
which is…
17,555 kWh
£1,492.18
9.49 t/Co2

This shows the monthly electricity consumption for Haslegrave During the 4th Quarter 2010, 137412 kWh of electricity were consumed, this was 11.3% lower than the previous year. Due to the meter being unavailable during the refurbishment works it was only possible to meter Octobers consumption.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This clearly shows the period of time the meter was not working, but once back on line it shows a considerable reduction in the consumption.

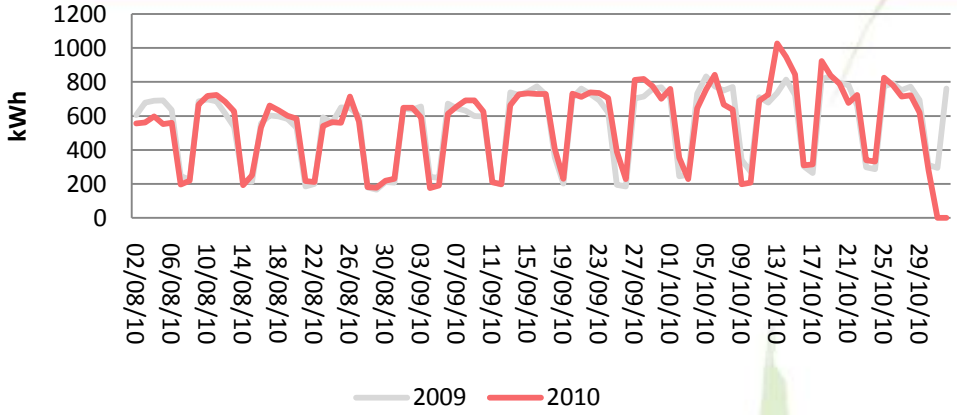
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction in both the base load and the peak load.

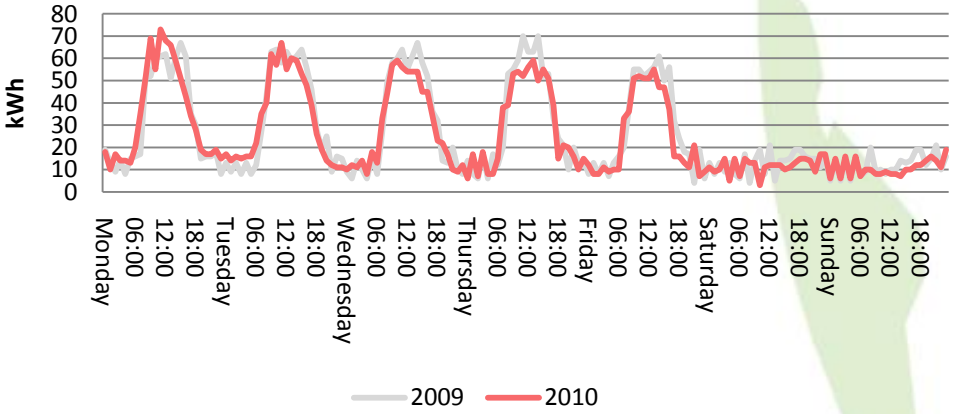
Base load 150kWh, Peak Load 250kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 147,089 | 133,082 | 148,375 | 135,503 | 150,179 | | | | | 154,967 | | | 154,967 | 869,195 |
| 2010 | 152,723 | 132,941 | 158,936 | 145,243 | 155,787 | | | | | 137,412 | | | 137,412 | 883,042 |
| Difference | 4% | 0% | 7% | 7% | 4% | | | | | -11% | | | -11.3% | 2% |

It's Better OFF

Loughborough University




## Herbert Manzoni

In Q4 you increased your consumption by…1.1%
which is…
560 kWh
£47.60
0.30 t/Co2

This shows the monthly electricity consumption for Herbert Manzoni During the 4th Quarter 2010, 50,963 kWh of electricity were consumed, this was 1.1% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a slight reduction in peak load during August, an increase in peak and base load during September and a mixture of increases and decreases in peak and base load, ultimately resulting in a reduction for October.

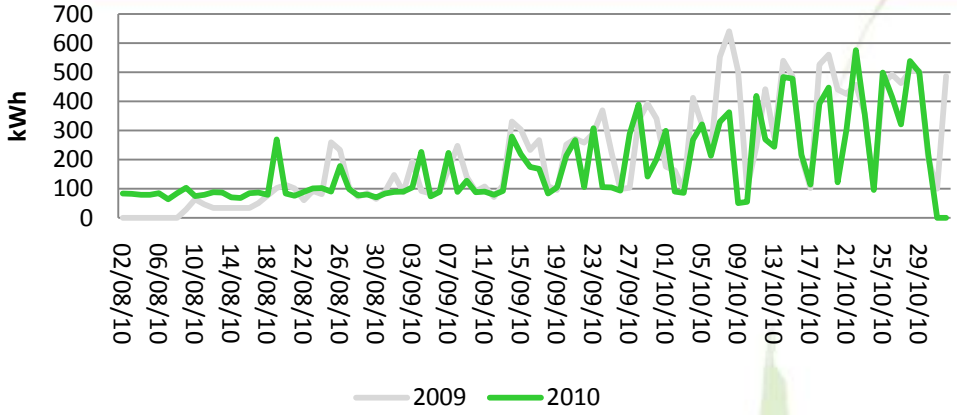
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows a reduction in peak load on most days, but an very slight increase in base load on others.

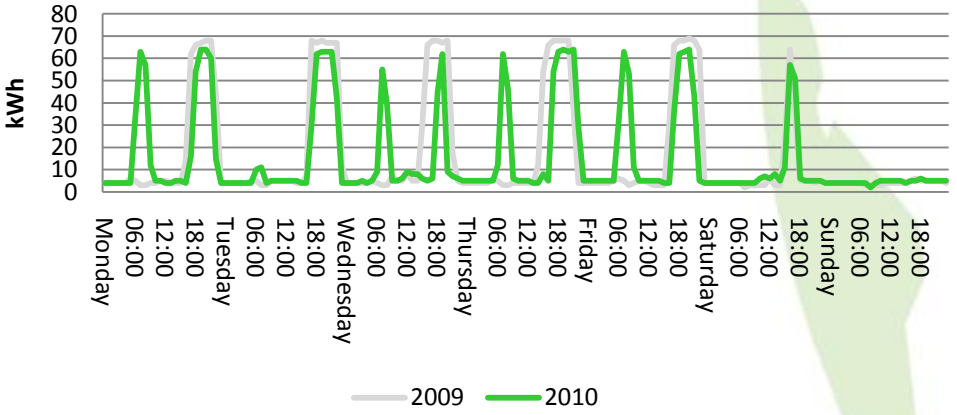
Base load 8kWh, Peak Load 71kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 21,926 | 21,549 | 20,616 | 15,122 | 16,279 | 15,937 | 16,151 | 14,646 | 16,510 | 19,247 | | | 50,403 | 177,983 |
| 2010 | 21,167 | 19,813 | 19,030 | 14,894 | 16,415 | 17,076 | 16,984 | 14,480 | 17,503 | 18,980 | | | 50,963 | 176,342 |
| Difference | -3% | -8% | -8% | -2% | 1% | 7% | 5% | -1% | 6% | -1% | | | 1.1% | -1% |

It's Better OFF

Loughborough University




## Hockey Pavilion

In Q4 you reduced your consumption by… 10.8%
which is…
2,028 kWh
£172.38
1.10 t/Co2

This shows the monthly electricity consumption for Hockey Pavilion During the 4th Quarter 2010, 16,777 kWh of electricity were consumed, this was 10.8% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a similar profile to the previous year with very little consumption above the base load during the summer months, but increasing consumption coming into Autumn, although considerably lower than the previous year.

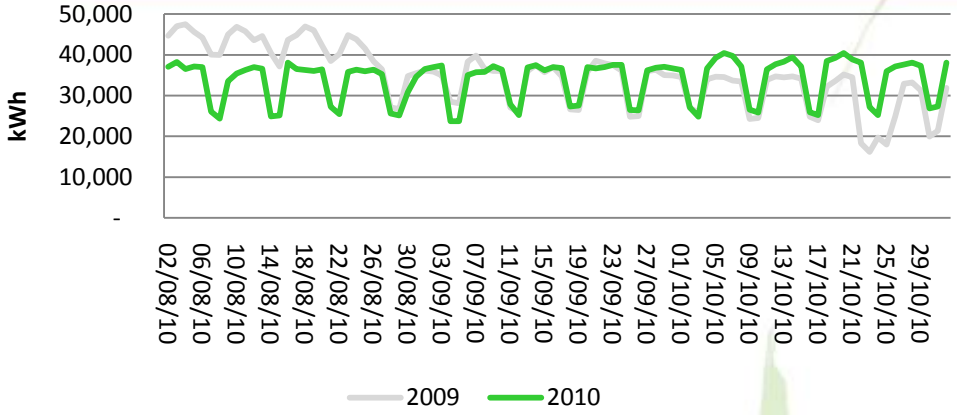
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction in the peak load, but no change to the base load.

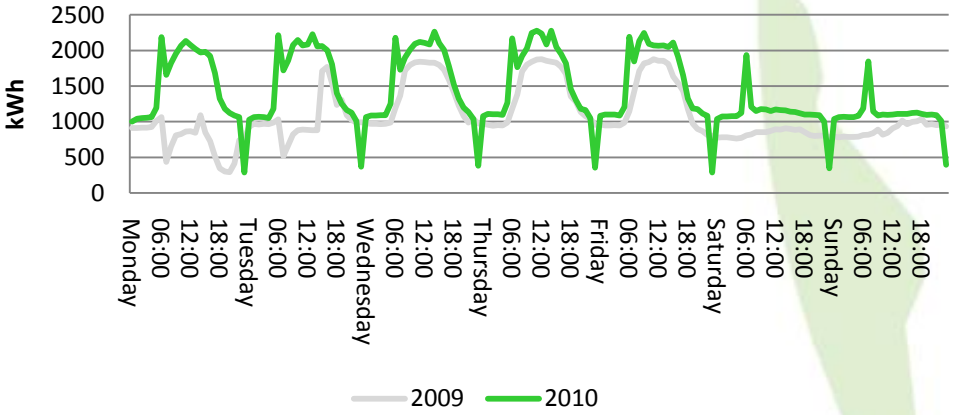
Base load 5kWh, Peak Load 62kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 8,241 | 7,926 | 8,069 | 3,978 | 3,931 | 3,312 | 203 | 1,811 | 5,666 | 11,328 | | | 18,805 | 54,465 |
| 2010 | 7,901 | 10,321 | 9,276 | 3,977 | 3,119 | 2,391 | 2,895 | 2,861 | 4,718 | 9,198 | | | 16,777 | 56,657 |
| Difference | -4% | 30% | 15% | 0% | -21% | -28% | 1326% | 58% | -17% | -19% | | | -10.8% | 4% |

It's Better OFF

Loughborough University




## Holywell Park

In Q4 you reduced your consumption by… 3.4%
which is…
109,241 kWh
£9,285.49
59.05 t/Co2

This shows the monthly electricity consumption for Holywell Park During the 4th Quarter 2010, 3,101,848 kWh of electricity were consumed, this was 3.4% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. Shows during August the consumption was much lower, during September the consumption was the same creeping into October where the consumption is starting to increase.

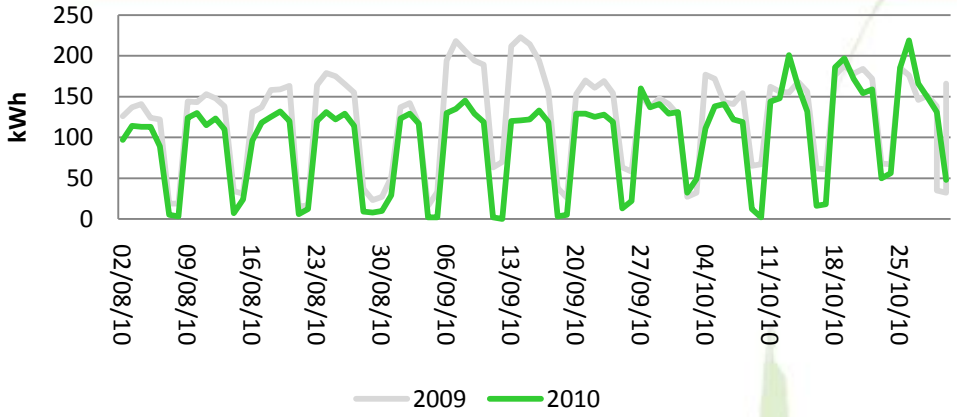
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows how the base load has increase a little, but the peak load has increased dramatically, this could be due to there being more tenants in Holywell Park compared to the same period last year.

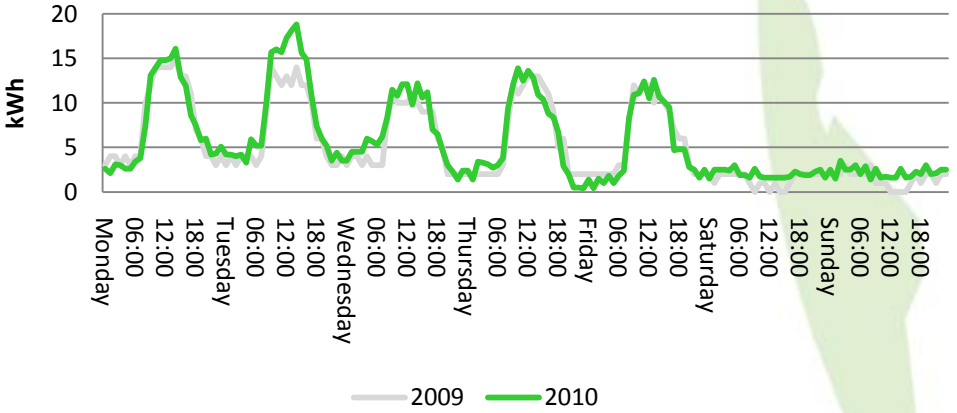
Base load 1000kWh, Peak Load 2200kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | - | 1,014,658 | 1,109,559 | 1,042,012 | 1,060,464 | 1,048,989 | 1,329,458 | 1,283,298 | 1,015,787 | 912,004 | | | 3,211,089 | 9,816,229 |
| 2010 | 862,352 | 813,749 | 899,541 | 819,998 | 873,853 | 931,111 | 1,050,836 | 1,024,498 | 1,015,738 | 1,061,612 | | | 3,101,848 | 9,353,288 |
| Difference | #DIV/0! | -20% | -19% | -21% | -18% | -11% | -21% | -20% | 0% | 16% | | | -3.4% | -5% |

It's Better OFF

Loughborough University




## imago Services

In Q4 you reduced your consumption by… 21.2%

which is…

2,399 kWh

£203.92

1.30 t/Co2

This shows the monthly electricity consumption imago services During the 4th Quarter 2010, 8,927 kWh of electricity were consumed, this was 21.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a considerable reduction to both the peak and base loads. Especially during August and September.

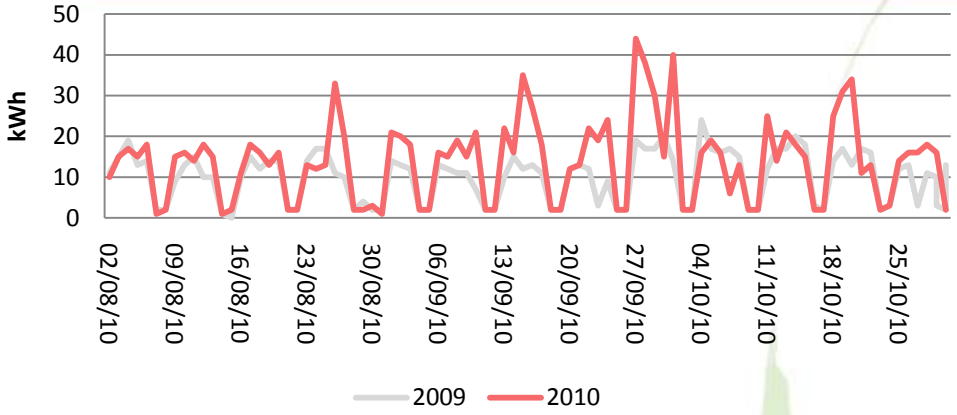
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows very little difference between the peak and base loads compared to the previous year during this particular week.

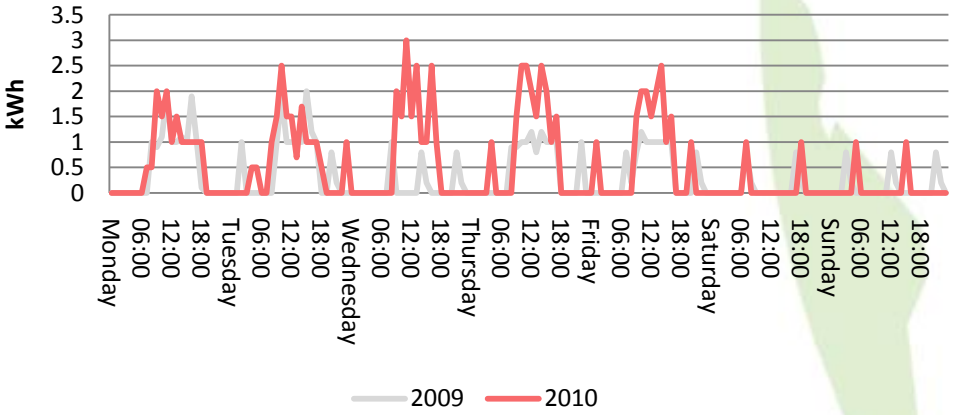
Base load 1kWh, Peak Load 24kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 4,908 | 4,140 | 4,069 | 3,594 | 3,398 | 3,129 | 3,251 | 3,238 | 4,059 | 4,029 | | | 11,326 | 37,815 |
| 2010 | 5,725 | 5,534 | 5,216 | 3,587 | 3,355 | 3,333 | 3,266 | 2,455 | 2,878 | 3,594 | | | 8,927 | 38,943 |
| Difference | 17% | 34% | 28% | 0% | -1% | 7% | 0% | -24% | -29% | -11% | | | -21.2% | 3% |

It's Better OFF

Loughborough University




## International Office

In Q4 you increased your consumption by…37.5%
which is…

341 kWh

£28.99

0.18 t/Co2

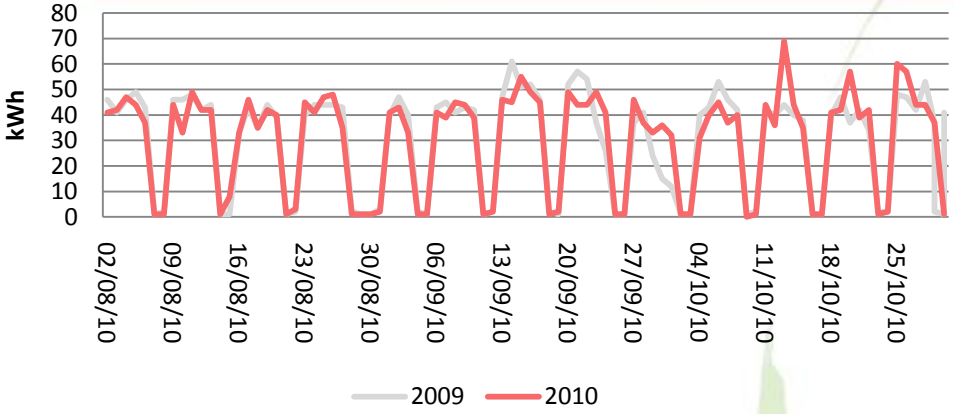
This shows the monthly electricity consumption for International Office During the 4th Quarter 2010, 1,251 kWh of electricity were consumed, this was 37.5% higher than the previous year.

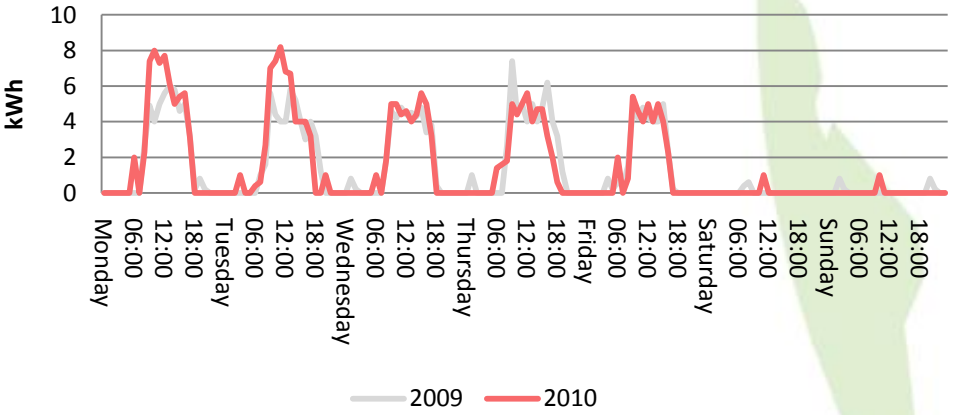
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an increase in peak load throughout the quarter, but especially during September.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows not change to the base load, but an increase on some days in the peak load.

Base load 0kWh, Peak Load 3kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 525 | 370 | 466 | 351 | 377 | 317 | 365 | 283 | 274 | 353 | | | 910 | 3,681 |
| 2010 | 617 | 757 | 650 | 321 | 361 | 405 | 280 | 337 | 496 | 418 | | | 1,251 | 4,642 |
| Difference | 18% | 105% | 39% | -9% | -4% | 28% | -23% | 19% | 81% | 18% | | | 37.5% | 26% |




## International Student Centre

In Q4 you increased your consumption by…0.8%
which is…

23 kWh

£1.96

0.01 t/Co2

This shows the monthly electricity consumption for International Student Centre

During the 4th Quarter 2010, 2,733 kWh of electricity were consumed, this was 0.8% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows very little difference in consumption from the previous year, during August and September, but a slight increase in peak load during October.

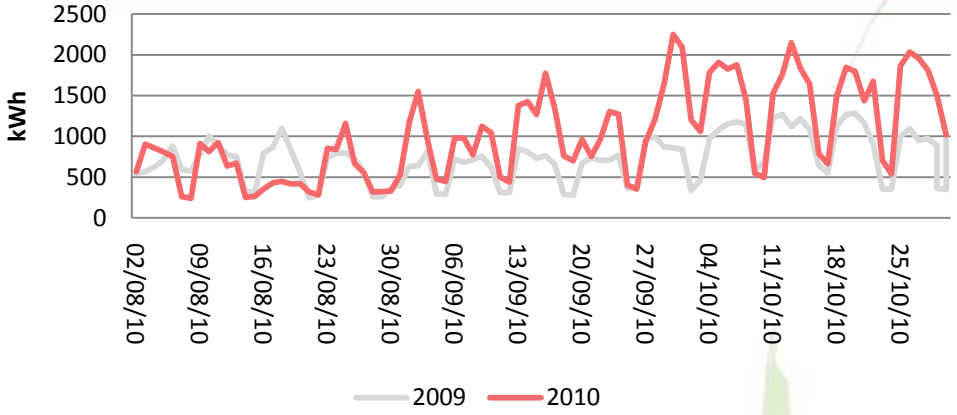
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows an increase in peak load during the early part of the week.

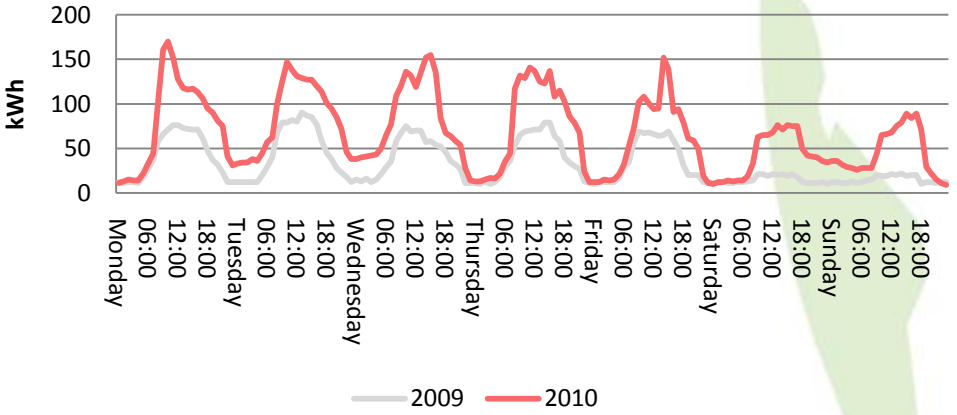
Base load 0kWh, Peak Load 8kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 601 | 659 | 936 | 581 | 721 | 672 | 1,018 | 876 | 940 | 894 | | | 2,710 | 7,898 |
| 2010 | 1,475 | 1,532 | 1,221 | 594 | 797 | 770 | 902 | 853 | 954 | 926 | | | 2,733 | 10,024 |
| Difference | 145% | 132% | 30% | 2% | 11% | 15% | -11% | -3% | 1% | 4% | | | 0.8% | 27% |

It's Better OFF

Loughborough University




## James France

In Q4 you increased your consumption by…42.5%
which is…
28,021 kWh
£2,381.79
15.15 t/Co2

This shows the monthly electricity consumption for James France During the 4th Quarter 2010, 93,912 kWh of electricity were consumed, this was 0.8% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction in both base and peak load during August, but an increase in the overall consumption from September onwards, both the base and the peak loads.

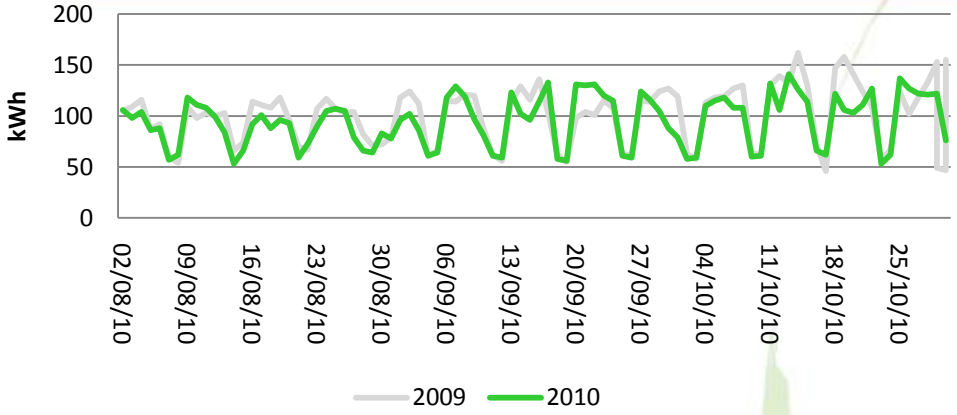
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows an increase in the base load during the early part of the week, as well as a continuous increase in peak load throughout. Some of this increase in known to be linked to the climatic chambers installed for research.

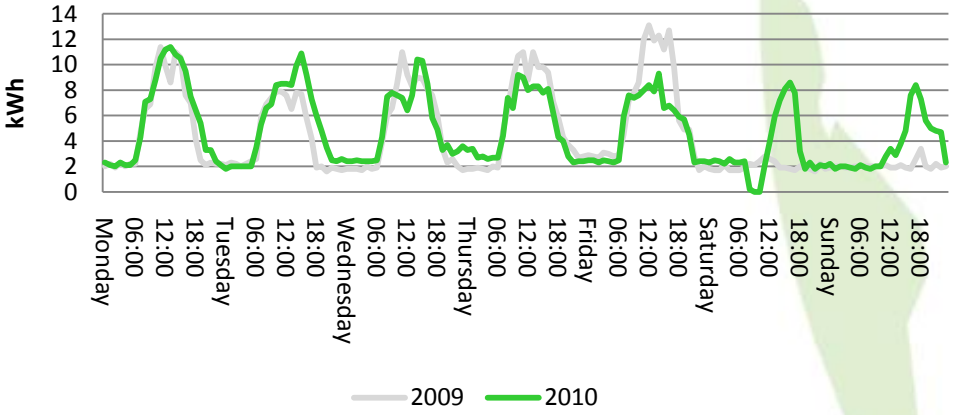
Base load 8 kWh, Peak Load 160 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 27,625 | 32,012 | 32,302 | 23,412 | 23,567 | 21,130 | 21,227 | 19,032 | 18,739 | 28,120 | | | 65,891 | 247,166 |
| 2010 | 28,101 | 31,988 | 47,230 | 37,970 | 38,791 | 24,991 | 18,844 | 17,398 | 31,150 | 45,364 | | | 93,912 | 321,827 |
| Difference | 2% | 0% | 46% | 62% | 65% | 18% | -11% | -9% | 66% | 61% | | | 42.5% | 30% |

It's Better OFF

Loughborough University




## John Clements

In Q4 you reduced your consumption by… 5.1%

which is…

467 kWh

£39.70

0.25 t/Co2

This shows the monthly electricity consumption John Clements During the 4th Quarter 2010, 8,705 kWh of electricity were consumed, this was 5.1% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows little change ion the base load, but a considerable reduction to the peak load.

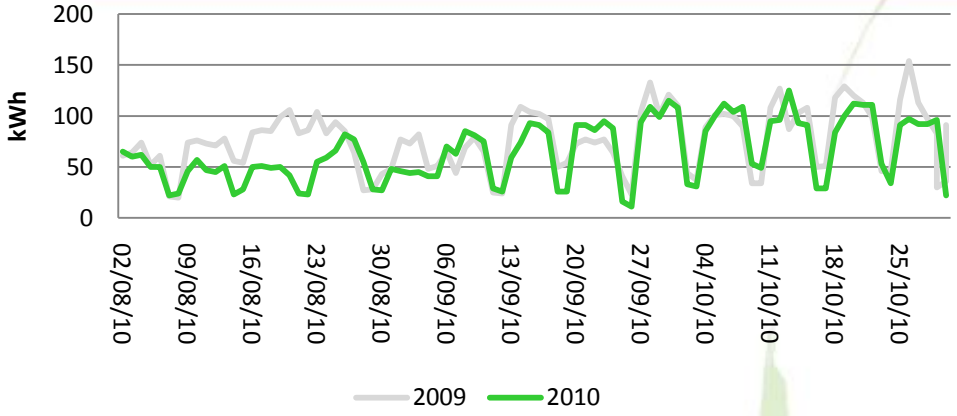
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This again shows very little change to the base load, but a noticeable reduction to the peak load.

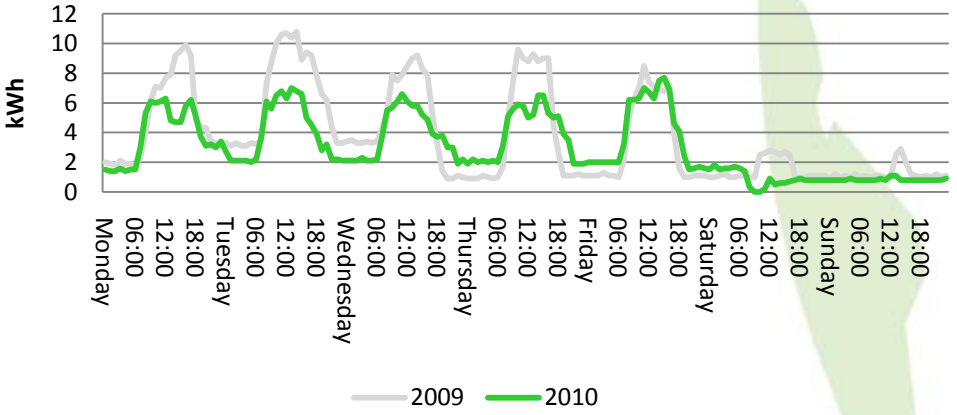
Base load 1kWh, Peak Load 24kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 3,495 | 3,014 | 3,501 | 3,129 | 2,636 | 2,497 | 2,728 | 2,827 | 2,953 | 3,392 | | | 9,172 | 30,172 |
| 2010 | 3,284 | 2,898 | 3,195 | 2,563 | 2,939 | 2,903 | 2,532 | 2,670 | 2,936 | 3,099 | | | 8,705 | 29,019 |
| Difference | -6% | -4% | -9% | -18% | 11% | 16% | -7% | -6% | -1% | -9% | | | -5.1% | -4% |

It's Better OFF

Loughborough University




<u>John Cooper</u>

In Q4 you reduced your consumption by… 14.9%
which is…

1,034 kWh

£87.89

0.56 t/Co2

This shows the monthly electricity consumption John Clements During the 4th Quarter 2010, 5,915 kWh of electricity were consumed, this was 14.9% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows little change to the base load, but a considerable reduction to the peak load.

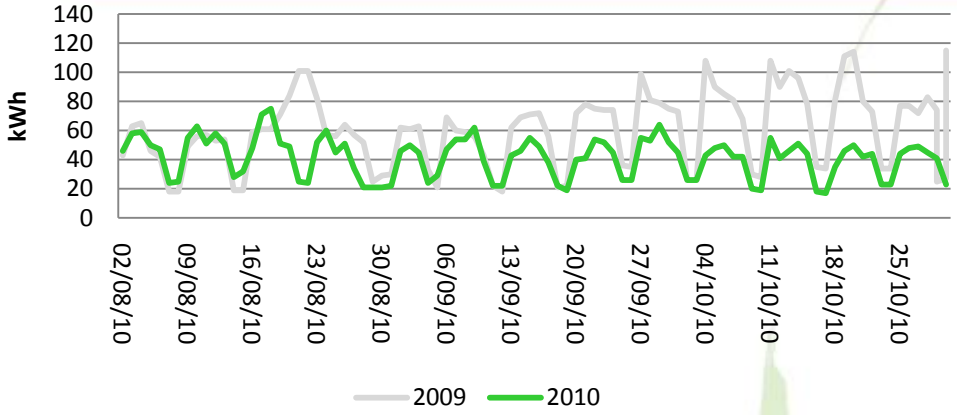
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This again shows very little change to the base load, except for a couple of small increases / decreases, but a noticeable reduction to the peak load.

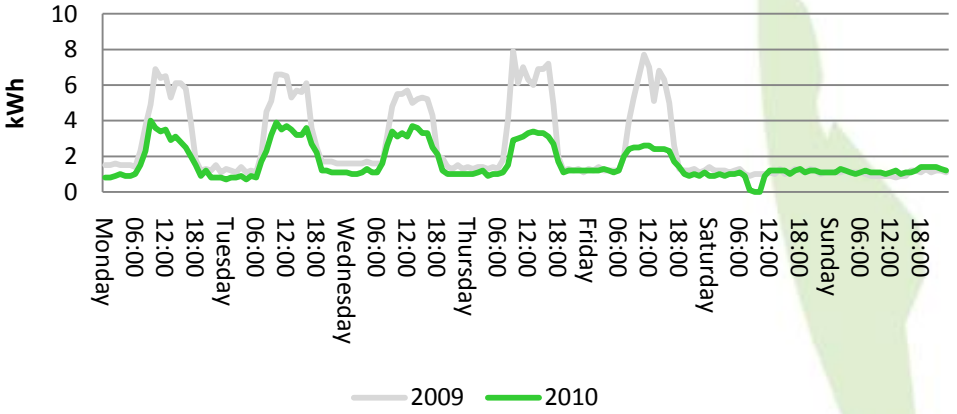
Base load 1kWh, Peak Load 8 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 4,089 | 3,372 | 3,303 | 2,369 | 2,428 | 2,389 | 2,120 | 2,055 | 2,125 | 2,766 | | | 6,946 | 27,016 |
| 2010 | 2,983 | 2,468 | 2,747 | 2,032 | 2,308 | 1,860 | 1,754 | 1,463 | 1,995 | 2,454 | | | 5,912 | 22,064 |
| Difference | -27% | -27% | -17% | -14% | -5% | -22% | -17% | -29% | -6% | -11% | | | -14.9% | -18% |

It's Better OFF

Loughborough University




## John Hardie

In Q4 you reduced your consumption by… 30.5%

which is…

1,662 kWh

£141.27

0.90 t/Co2

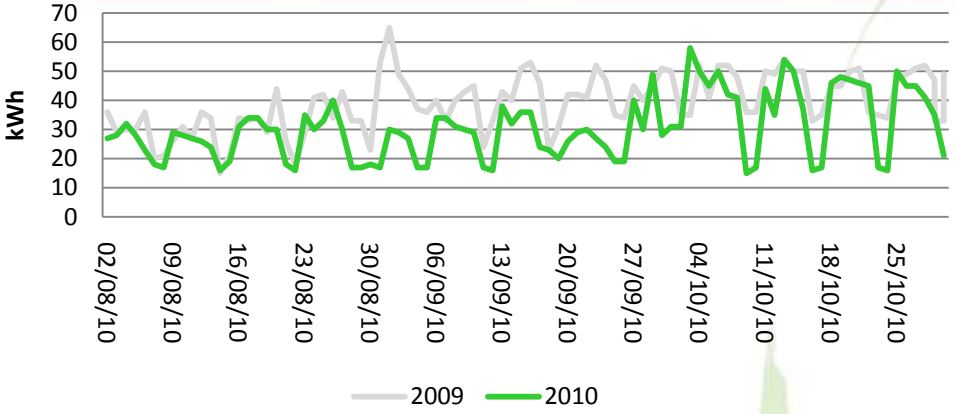
This shows the monthly electricity consumption John Clements During the 4th Quarter 2010, 3,785 kWh of electricity were consumed, this was 30.5% lower than the previous year.

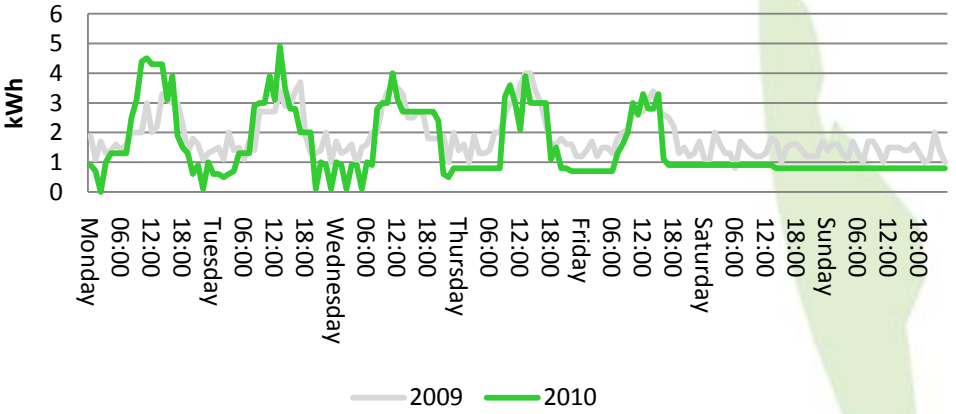
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows little change ion the base load during the early part of the quarter, with a reduction showing in October. There is a considerable reduction to the peak load throughout.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight reduction to the hourly base load and a dramatic reduction to the peak load.

Base load 1kWh, Peak Load 4 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,875 | 1,712 | 1,635 | 1,243 | 1,316 | 1,213 | 1,285 | 1,603 | 1,674 | 2,170 | | | 5,447 | 15,726 |
| 2010 | 2,367 | 2,363 | 2,393 | 1,493 | 1,421 | 1,299 | 1,277 | 1,336 | 1,275 | 1,174 | | | 3,785 | 16,398 |
| Difference | 26% | 38% | 46% | 20% | 8% | 7% | -1% | -17% | -24% | -46% | | | -30.5% | 4% |




## John Pickford

In Q4 you reduced your consumption by… 22.8%
which is…

822 kWh

£69.87

0.44 t/Co2

This shows the monthly electricity consumption John Pickford During the 4th Quarter 2010, 2,782 kWh of electricity were consumed, this was 22.8% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a considerable difference to the profile last year, this year the profile is more constant , showing reduction in both peak and base loads.

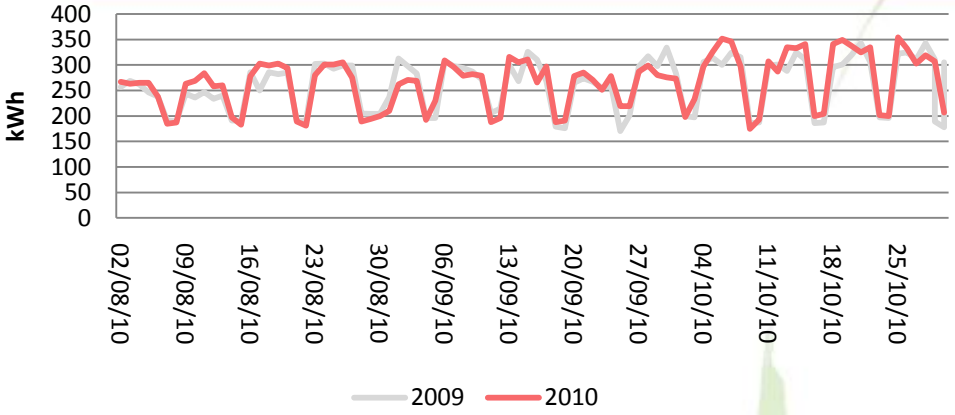
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. As detailed above this shows a far smoother profile, with reductions in base load mainly, but some reductions to the peak load too.

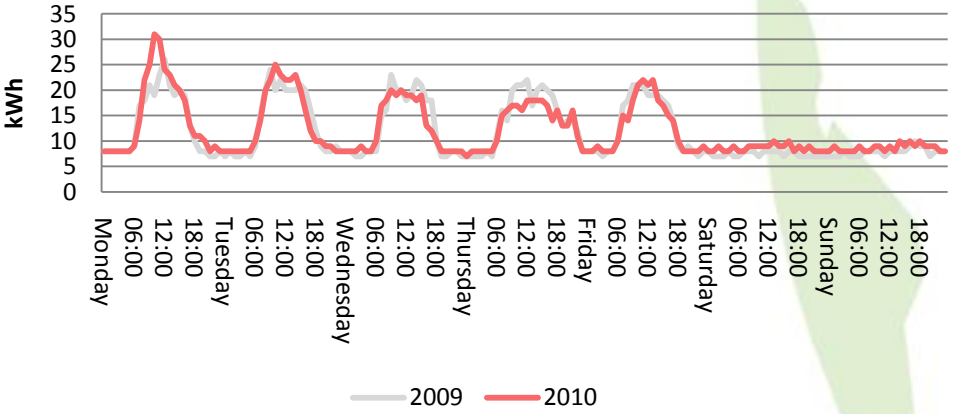
Base load 0-1kWh, Peak Load 5 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,572 | 1,357 | 1,534 | 1,320 | 1,241 | 1,027 | 1,120 | 970 | 1,250 | 1,384 | | | 3,604 | 12,775 |
| 2010 | 1,346 | 1,084 | 1,133 | 977 | 943 | 864 | 800 | 788 | 842 | 1,152 | | | 2,782 | 9,929 |
| Difference | -14% | -20% | -26% | -26% | -24% | -16% | -29% | -19% | -33% | -17% | | | -22.8% | -22% |

It's Better OFF

Loughborough University




## Keith Green

In Q4 you increased your consumption by…1.8%
which is…
437 kWh
£37.15
0.24 t/Co2

This shows the monthly electricity consumption for Keith Green During the 4th Quarter 2010, 24,356 kWh of electricity were consumed, this was 1.8% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a slight increase to the base load on occasions, but a slightly more noticeable increase in the peak load, especially moving into October.

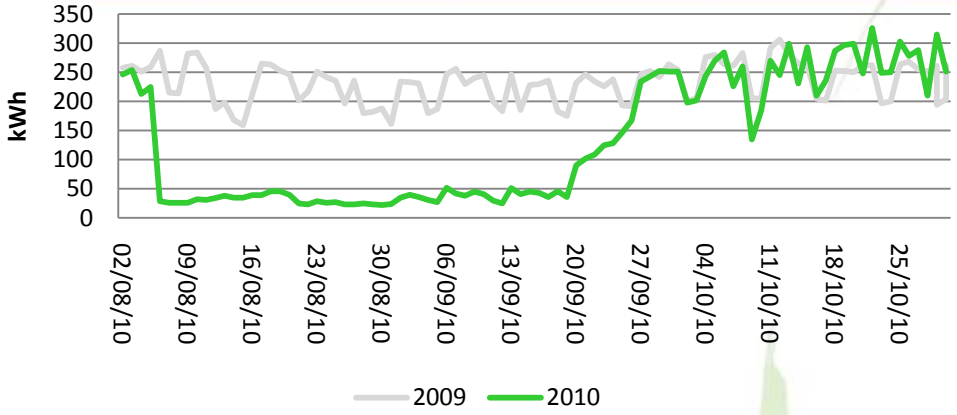
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows very little difference to the profile compared to the previous year for this particular period.

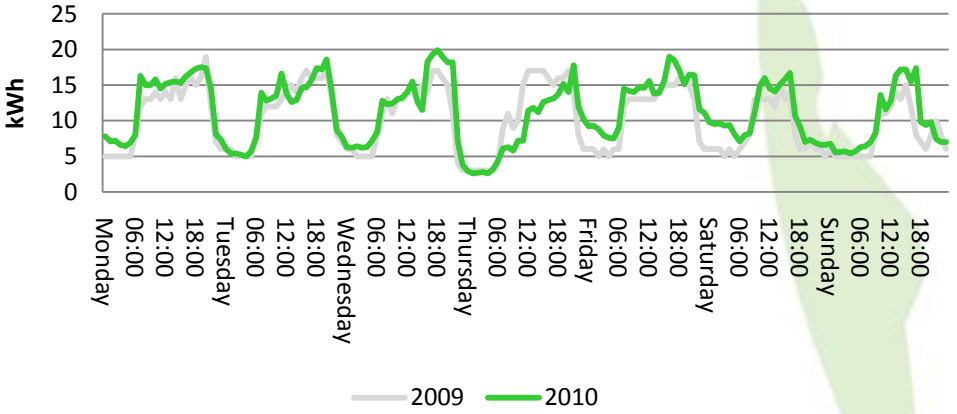
Base load 8 kWh, Peak Load 31 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 11,045 | 9,546 | 9,444 | 7,454 | 8,412 | 8,374 | 8,210 | 7,493 | 7,832 | 8,594 | | | 23,919 | 86,404 |
| 2010 | 9,787 | 9,620 | 10,215 | 7,909 | 8,754 | 7,408 | 7,725 | 7,671 | 7,870 | 8,815 | | | 24,356 | 85,774 |
| Difference | -11% | 1% | 8% | 6% | 4% | -12% | -6% | 2% | 0% | 3% | | | 1.8% | -1% |

It's Better OFF

Loughborough University




## LUFS

In Q4 you reduced your consumption by… 42.1%
which is…

8,995 kWh

£764.58

4.86 t/Co2

This shows the monthly electricity LUFS
During the 4th Quarter 2010, 12,363 kWh of electricity were consumed, this was 42.1% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. The large reduction is due to the facility being closed for refurbishment this year.

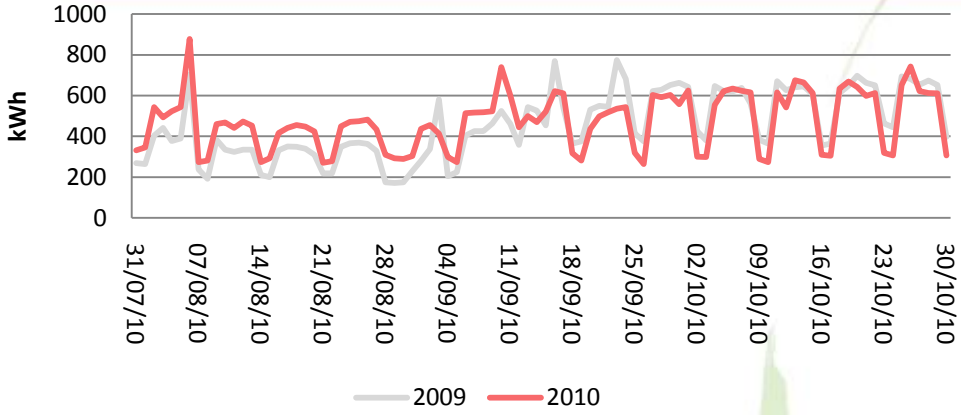
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. Now the facility is back open the profile shows very little difference in the profile, except a few sneaky increases in the base load which may need to be investigated.

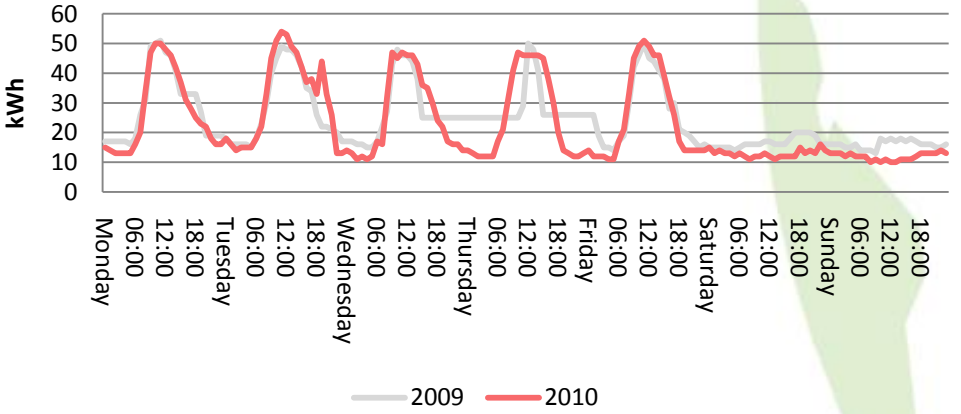
Base load 2.5kWh, Peak Load 20 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 5,874 | 7,145 | 7,658 | 5,795 | 6,152 | 6,251 | 7,023 | 7,058 | 6,613 | 7,687 | | | 21,358 | 67,256 |
| 2010 | 6,862 | 7,042 | 8,405 | 7,234 | 7,948 | 7,363 | 6,541 | 1,902 | 2,590 | 7,871 | | | 12,363 | 63,758 |
| Difference | 17% | -1% | 10% | 25% | 29% | 18% | -7% | -73% | -61% | 2% | | | -42.1% | -5% |

It's Better OFF

Loughborough University




## Martin Hall

In Q4 you increased your consumption by…4.4%
which is…
1,831 kWh
£155.64
0.99 t/Co2

This shows the monthly electricity consumption for Martin Hall During the 4th Quarter 2010, 43,688 kWh of electricity were consumed, this was 4.4% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an increase in both the base load and the peak load during August and part of September, but during October there is a dramatic reduction in base load, and a slight reduction to the peak load.

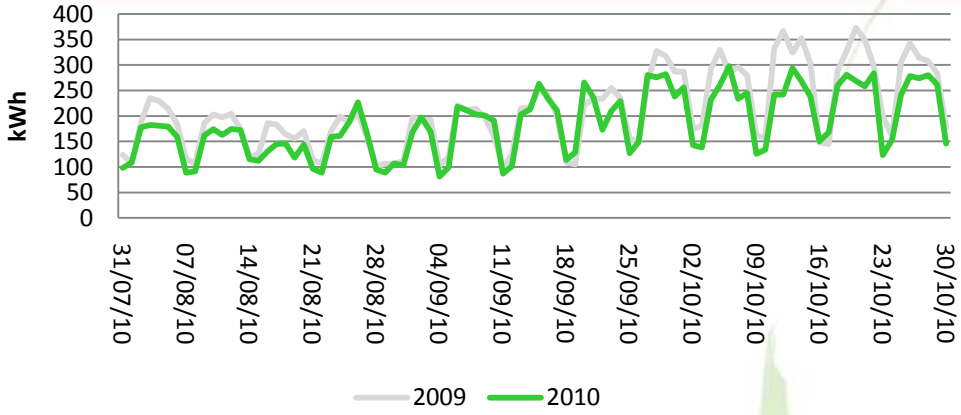
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. A reduction to the overnight base load, but very little difference to the peak load

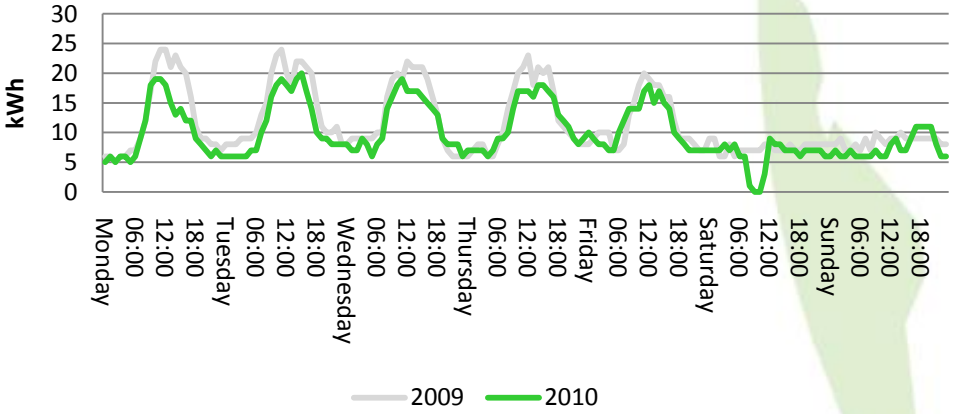
Base load 10 kWh, Peak Load 52 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 16,735 | 14,226 | 15,238 | 12,865 | 15,105 | 13,893 | 11,187 | 9,813 | 14,259 | 17,785 | | | 41,857 | 141,106 |
| 2010 | 16,369 | 15,897 | 18,135 | 14,760 | 17,541 | 17,317 | 16,015 | 12,981 | 14,526 | 16,181 | | | 43,688 | 159,722 |
| Difference | -2% | 12% | 19% | 15% | 16% | 25% | 43% | 32% | 2% | -9% | | | 4.4% | 13% |

It's Better OFF

Loughborough University




## Matthew Arnold

In Q4 you reduced your consumption by… 11.5%

which is…

2,218 kWh

£188.53

1.20 t/Co2

This shows the monthly electricity Matthew Arnold

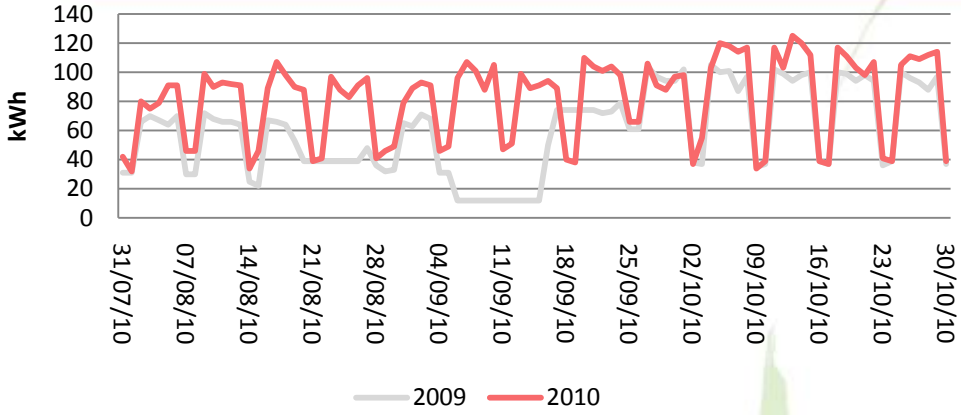
During the 4th Quarter 2010, 17,117 kWh of electricity were consumed, this was 11.5% lower than the previous year.

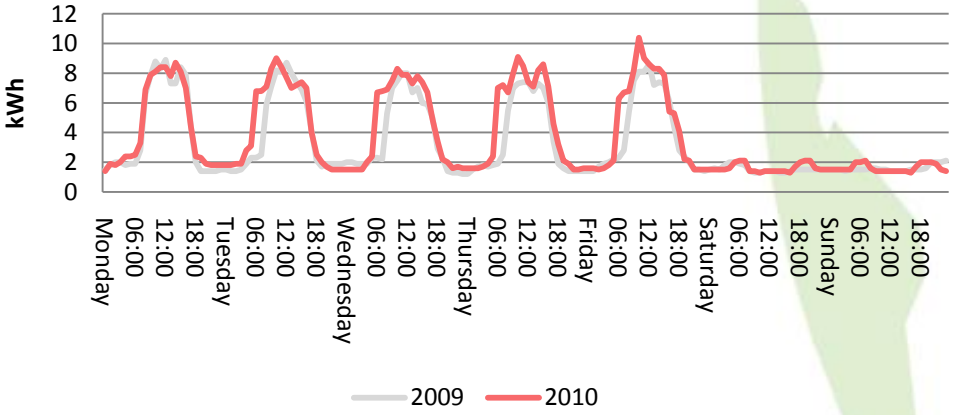
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. During both August and October there is a dramatic reduction in the midweek peak load, but little change to the base load.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a small reduction to the base load and a larger reduction to the peak load, especially during the earlier part of the week.

Base load 5kWh, Peak Load 20 kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 8,090 | 7,943 | 8,155 | 6,436 | 5,929 | 6,131 | 5,676 | 5,023 | 5,878 | 8,434 | | | 19,335 | 67,695 |
| 2010 | 7,117 | 6,794 | 7,159 | 5,780 | 6,386 | 5,427 | 4,436 | 4,401 | 5,758 | 6,958 | | | 17,117 | 60,216 |
| Difference | -12% | -14% | -12% | -10% | 8% | -11% | -22% | -12% | -2% | -18% | | | -11.5% | -11% |




## Medical Centre

In Q4 you increased your consumption by…37.8%
which is…
2,080 kWh
£176.80
1.12 t/Co2

This shows the monthly electricity consumption for Medical Centre During the 4th Quarter 2010, 7,577 kWh of electricity were consumed, this was 37.8% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. The majority of the increase in consumption is due to the refurbishment carrier out earlier this year, the profile has remain the same, just much higher.

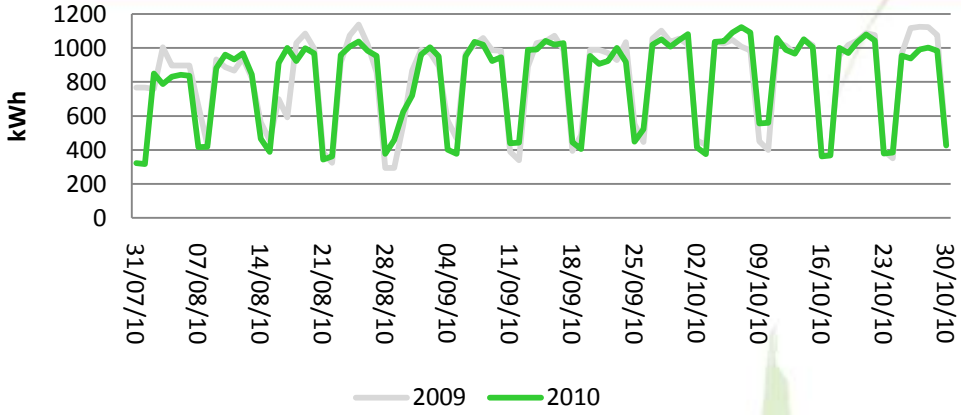
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows a change in the operational hours of the medical centre as well as an increase to the peak load.

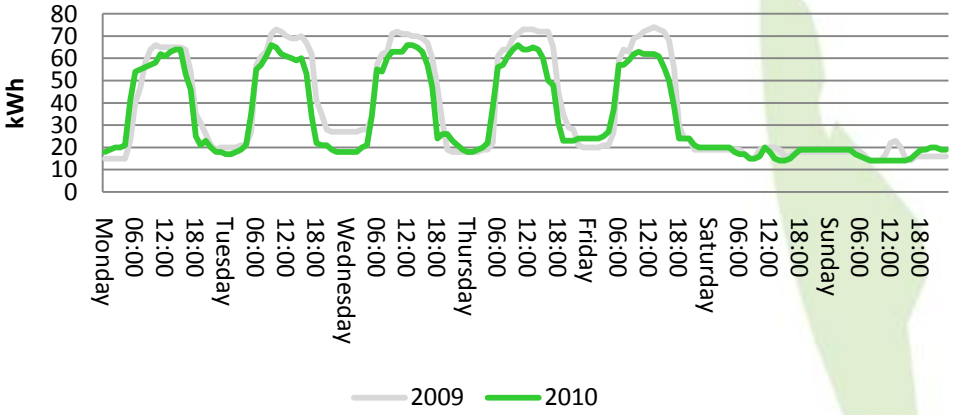
Base load 2 kWh, Peak Load 10kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 2,222 | 2,075 | 2,120 | 1,650 | 1,982 | 2,008 | 1,871 | 1,514 | 1,512 | 2,471 | | | 5,497 | 19,425 |
| 2010 | 2,517 | 2,492 | 2,659 | 1,857 | 2,453 | 2,644 | 2,331 | 2,308 | 2,535 | 2,734 | | | 7,577 | 24,530 |
| Difference | 13% | 20% | 25% | 13% | 24% | 32% | 25% | 52% | 68% | 11% | | | 37.8% | 26% |

It's Better OFF

Loughborough University




## Michael Pearson East (LP1)

In Q4 you reduced your consumption by… 4.0%

which is…

2,851 kWh

£242.34

1.54 t/Co2

This shows the monthly electricity consumption for Michael Pearson East (Loughborough Park 1)

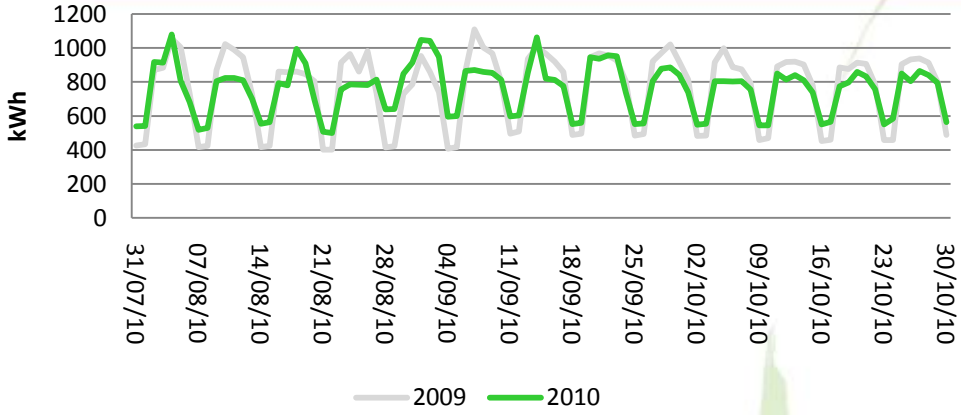
During the 4th Quarter 2010, 74,316 kWh of electricity were consumed, this was 2.0 % lower than the previous year.

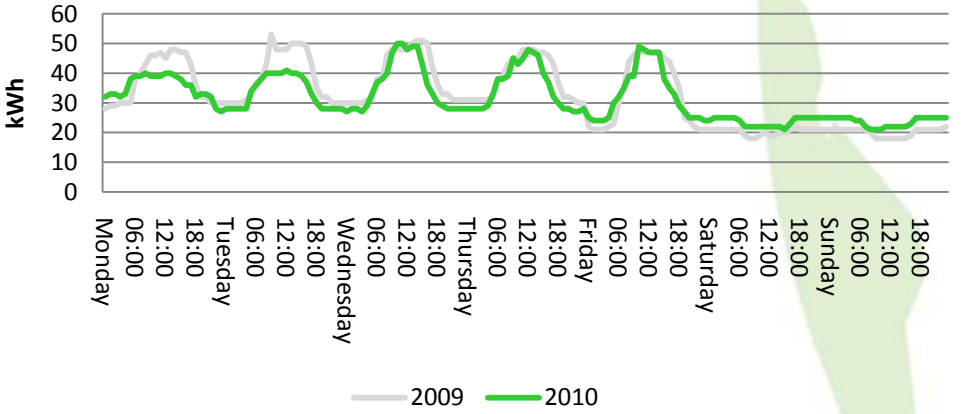
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. Overall there is very little different to the profile, except for a few reductions to the peak load, although there are a few increases to the base loads too.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows a reduction to both the base and peak loads

Base load 15kWh, Peak Load 67kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 27,006 | 25,907 | 27,540 | 24,079 | 21,646 | 22,360 | 26,340 | 23,799 | 25,512 | 26,502 | | | 75,813 | 250,691 |
| 2010 | 27,614 | 24,794 | 28,382 | 24,620 | 23,056 | 23,523 | 24,078 | 23,371 | 25,181 | 25,764 | | | 74,316 | 250,383 |
| Difference | 2% | -4% | 3% | 2% | 7% | 5% | -9% | -2% | -1% | -3% | | | -2.0% | 0% |




## Michael Pearson West (LP2)

In Q4 you reduced your consumption by… 0.8%
which is…

563 kWh

£47.86

0.3 t/Co2

This shows the monthly electricity consumption for Michael Pearson West (Loughborough Park 2)
During the 4th Quarter 2010, 69,904 kWh of electricity were consumed, this was 0.8 % lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an increase to the base load, but a decrease in the peak load, which overall has created a reduction for the quarter.

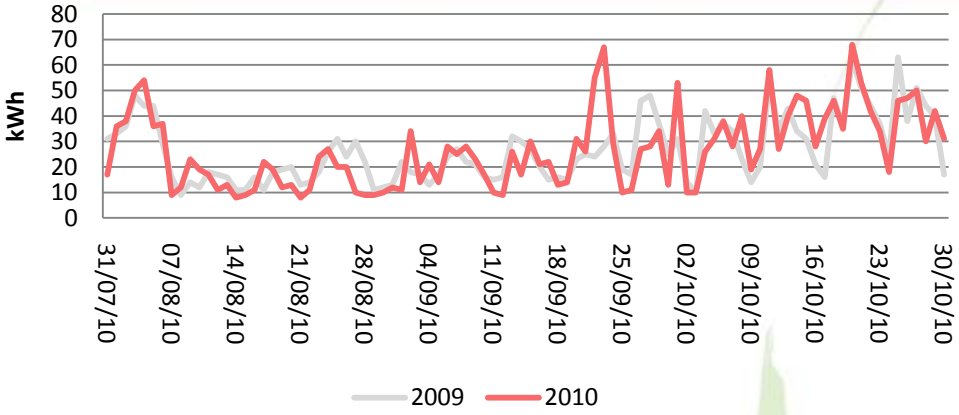
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows a reduction to the peak load at the beginning of the week, but overall the profile remains very similar to the previous year.

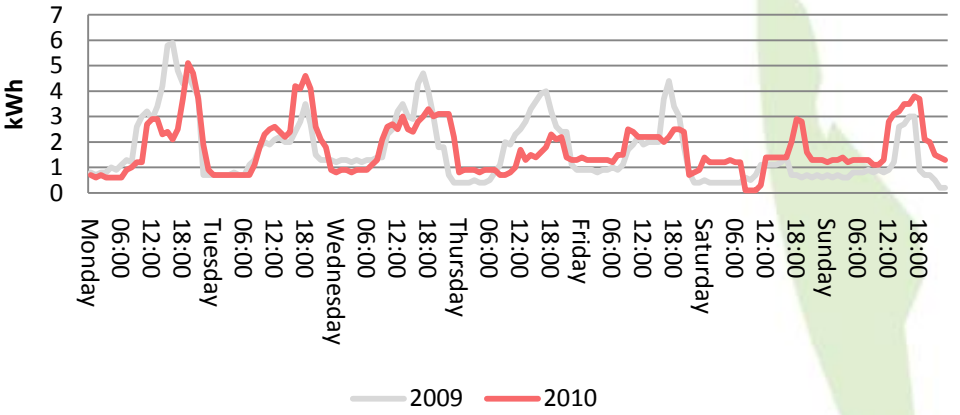
Base load 20kWh, Peak Load 50kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 23,979 | 21,513 | 22,573 | 21,387 | 22,076 | 22,805 | 23,948 | 22,698 | 24,081 | 23,688 | | | 70,467 | 228,748 |
| 2010 | 24,703 | 22,500 | 25,182 | 23,559 | 24,383 | 24,139 | 24,451 | 23,210 | 24,185 | 22,509 | | | 69,904 | 238,821 |
| Difference | 3% | 5% | 12% | 10% | 10% | 6% | 2% | 2% | 0% | -5% | | | -0.8% | 4% |

It's Better OFF

Loughborough University




## Music Centre

In Q4 you increased your consumption by… 1.3%
which is…
32 kWh
£2.72
0.02 t/Co2

This shows the monthly electricity consumption for Music Centre During the 4th Quarter 2010, 2,473 kWh of electricity were consumed, this was 1.3% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. During August and early September the utilisation of the facility looks more sparse than the previous year. During late September and early October utilisation appears to have increased.

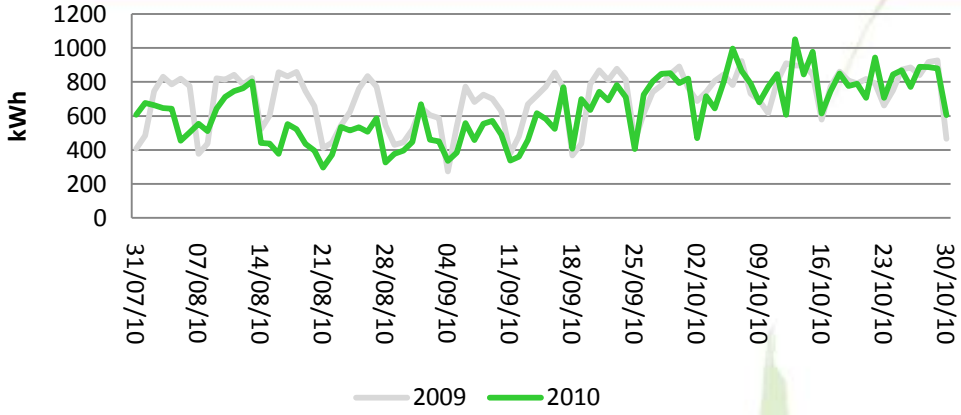
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows very little change to the base load, but a mixture on reductions and increases to the peak load.

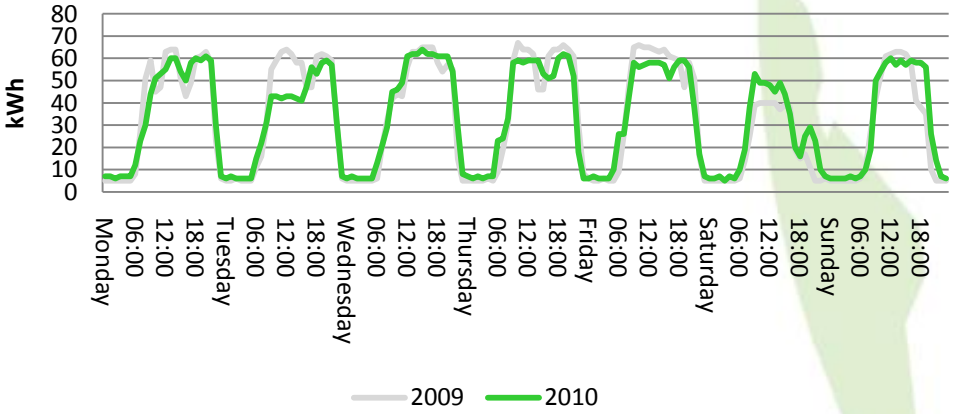
Base load 1 kWh, Peak Load 5kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 1,154 | 1,129 | 1,105 | 560 | 859 | 671 | 476 | 675 | 696 | 1,070 | | | 2,441 | 8,395 |
| 2010 | 1,144 | 1,256 | 1,295 | 745 | 1,076 | 689 | 454 | 609 | 704 | 1,160 | | | 2,473 | 9,132 |
| Difference | -1% | 11% | 17% | 33% | 25% | 3% | -5% | -10% | 1% | 8% | | | 1.3% | 9% |

It's Better OFF

Loughborough University




## Netball & Badminton Centre

In Q4 you reduced your consumption by… 9.8%

which is…

6,371 kWh

£541.54

3.44 t/Co2

This shows the monthly electricity consumption for Netball & Badminton Centre

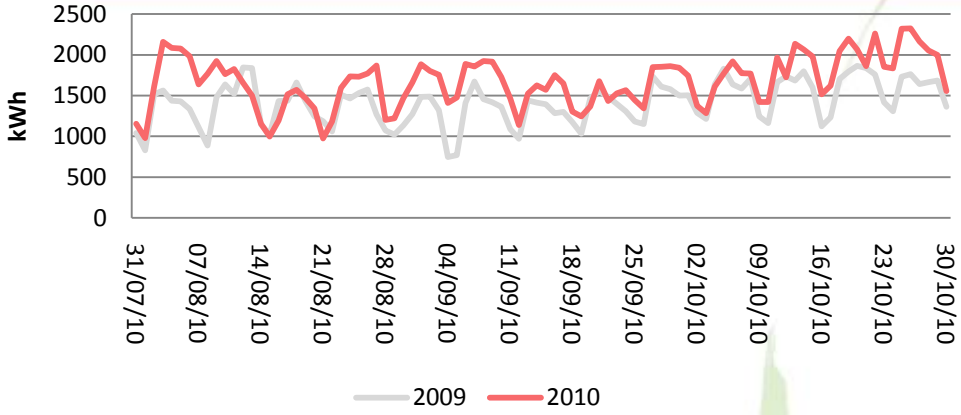
During the 4th Quarter 2010, 58,575 kWh of electricity were consumed, this was 9.8 % lower than the previous year.

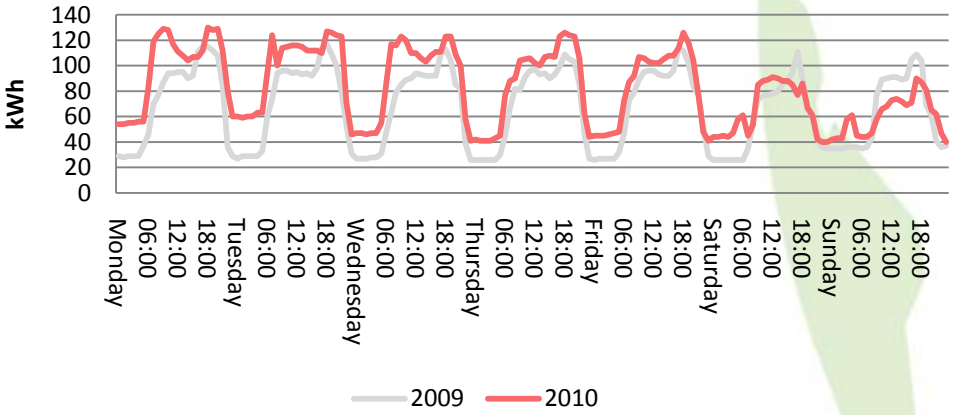
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction during August and September, possibly linked to utilisation, but October shows an identical profile to the previous year, and no reduction.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. The period shown shows an identical profile to the previous year, with some very slight decreases to the peak load.

Base load 7kWh, Peak Load 60kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 30,687 | 30,049 | 29,830 | 26,255 | 25,319 | 21,838 | 20,627 | 20,640 | 19,731 | 24,575 | | | 64,946 | 249,551 |
| 2010 | 23,769 | 22,714 | 24,192 | 20,983 | 19,827 | 17,783 | 18,432 | 16,378 | 17,683 | 24,514 | | | 58,575 | 206,275 |
| Difference | -23% | -24% | -19% | -20% | -22% | -19% | -11% | -21% | -10% | 0% | | | -9.8% | -17% |




## PEC

In Q4 you increased your consumption by… 18.5%
which is…
24,052 kWh
£2,044.42
13.00 t/Co2

This shows the monthly electricity consumption PEC
During the 4th Quarter 2010, 154,352 kWh of electricity were consumed, this was 18.5% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general increase in both the base and peak loads, is this linked to utilisation of the facilities?

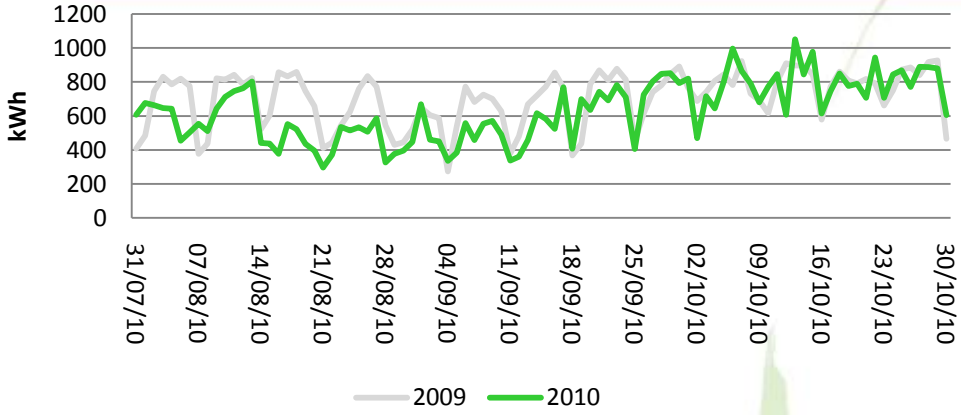
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a large increase to the base load for the facility, what has caused this increase? Has any new equipment been installed or is something being left on overnight?

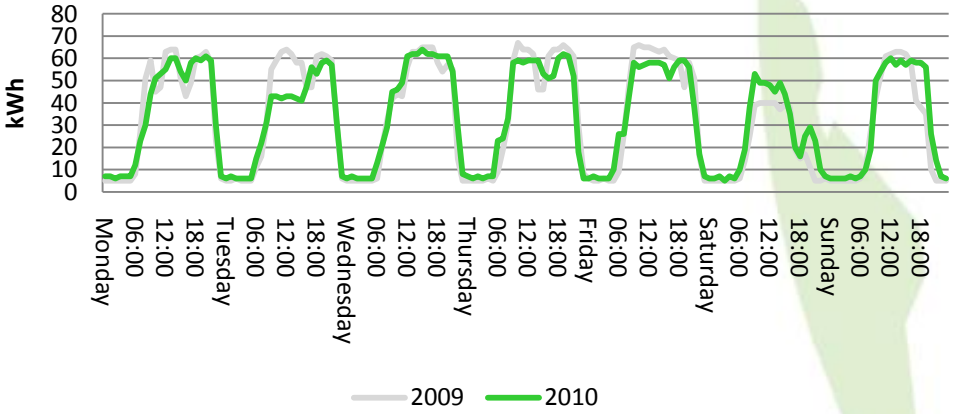
Base load 40 kWh, Peak Load 125kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 51,482 | 48,489 | 47,419 | 41,377 | 41,392 | 41,143 | 41,752 | 41,669 | 39,967 | 48,664 | | | 130,300 | 443,354 |
| 2010 | 56,100 | 53,264 | 55,852 | 45,007 | 44,932 | 46,231 | 47,142 | 48,613 | 48,677 | 57,062 | | | 154,352 | 502,880 |
| Difference | 9% | 10% | 18% | 9% | 9% | 12% | 13% | 17% | 22% | 17% | | | 18.5% | 13% |

It's Better OFF

Loughborough University




## Netball & Badminton Centre

In Q4 you reduced your consumption by… 9.8%
which is…

6,371 kWh

£541.54

3.44 t/Co2

This shows the monthly electricity consumption for Netball & Badminton Centre

During the 4th Quarter 2010, 58,575 kWh of electricity were consumed, this was 9.8 % lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction during August and September, possibly linked to utilisation, but October shows an identical profile to the previous year, an no reduction.

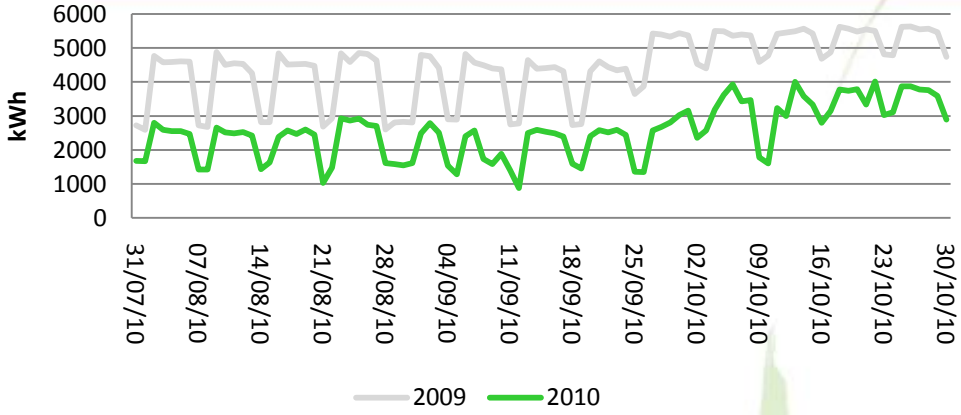
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. The period shown shows an identical profile to the previous year, with some very slight decreases to the peak load.

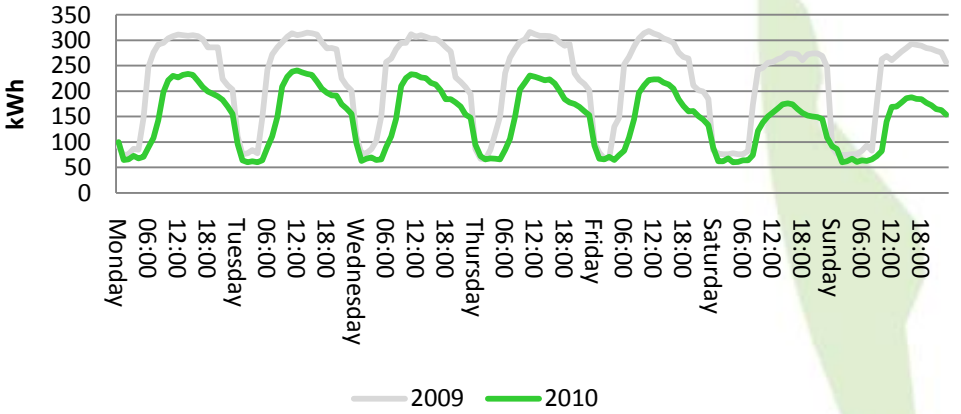
Base load 7kWh, Peak Load 60kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 30,687 | 30,049 | 29,830 | 26,255 | 25,319 | 21,838 | 20,627 | 20,640 | 19,731 | 24,575 | | | 64,946 | 249,551 |
| 2010 | 23,769 | 22,714 | 24,192 | 20,983 | 19,827 | 17,783 | 18,432 | 16,378 | 17,683 | 24,514 | | | 58,575 | 206,275 |
| Difference | -23% | -24% | -19% | -20% | -22% | -19% | -11% | -21% | -10% | 0% | | | -9.8% | -17% |

It's Better OFF

Loughborough University




## Pilkington Library

In Q4 you reduced your consumption by… 42.6%
which is…

174,590 kWh

£14,840.15

94.37 t/Co2

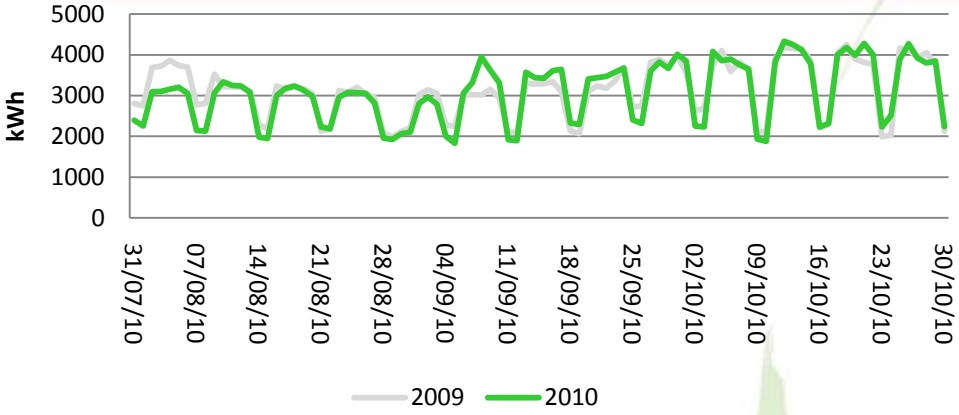
This shows the monthly electricity consumption for Pilkington Library During the 4th Quarter 2010, 235,375 kWh of electricity were consumed, this was 42.6% lower than the previous year.
During this year a large amount of works have been carried out installing VSD and a new lower energy lighting scheme. This has had a dramatic reduction to the buildings energy consumption.

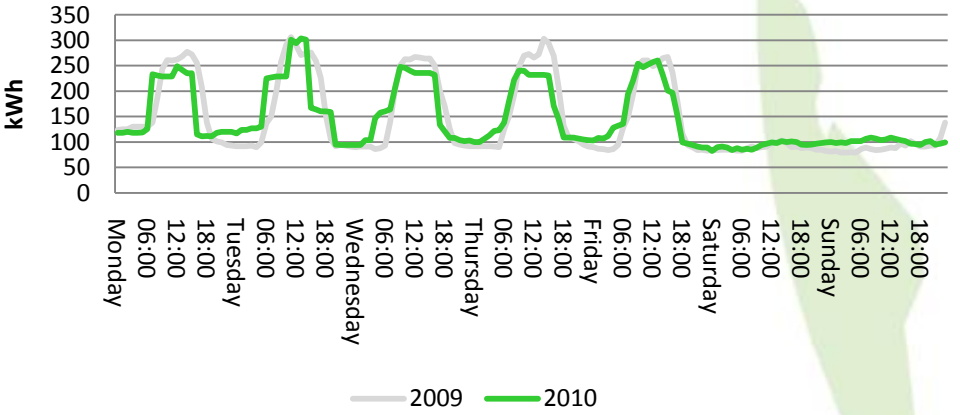
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a massive reduction to the overall consumption.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows an identical base load to the previous year, but a dramatic reduction to the peak load.

Base load 50kWh, Peak Load 240kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 174,154 | 144,872 | 144,480 | 117,803 | 206,363 | 174,673 | 129,957 | 122,695 | 124,209 | 163,061 | | | 409,965 | 1,502,267 |
| 2010 | 162,928 | 138,281 | 137,303 | 89,976 | 179,258 | 151,065 | 93,026 | 68,667 | 64,952 | 101,756 | | | 235,375 | 1,187,212 |
| Difference | -6% | -5% | -5% | -24% | -13% | -14% | -28% | -44% | -48% | -38% | | | -42.6% | -21% |




## S Building

In Q4 you reduced your consumption by… 1.5%
which is…

4,280 kWh

£363.80

2.31 t/Co2

This shows the monthly electricity consumption S Building
During the 4th Quarter 2010, 283,953 kWh of electricity were consumed, this was 1.5% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction during the 1st week in august, but other wise a general increase through September and identical profile for October.

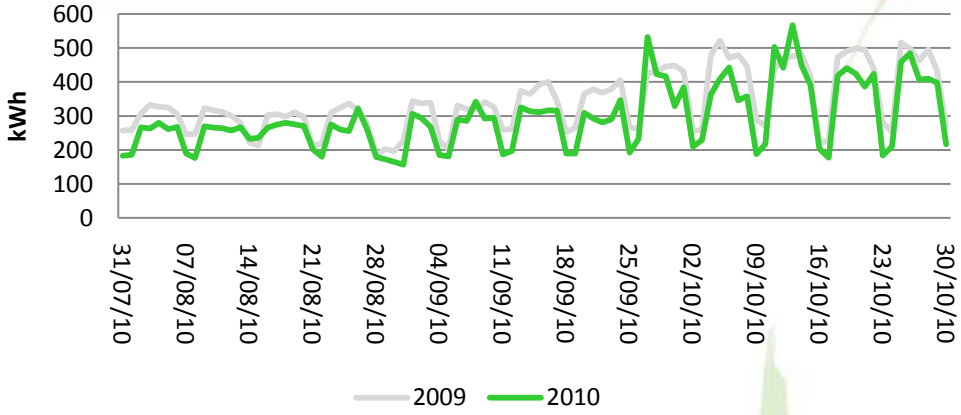
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows an almost identical profile to the previous year. There are some slight reductions in the peak load.

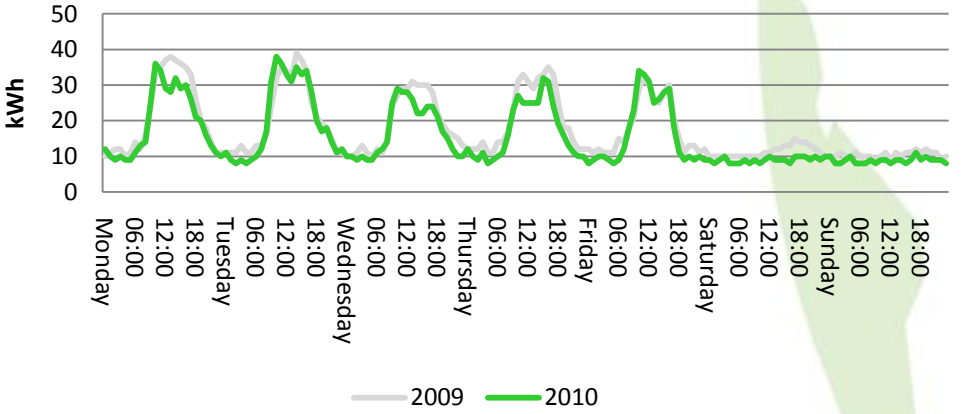
Base load 95kWh, Peak Load 300kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 134,491 | 129,971 | 138,679 | 103,343 | 102,484 | 88,815 | 96,617 | 92,289 | 89,297 | 106,647 | | | 288,233 | 1,082,633 |
| 2010 | 130,594 | 126,343 | 127,001 | 103,683 | 98,996 | 85,070 | 87,125 | 85,006 | 93,140 | 105,807 | | | 283,953 | 1,042,765 |
| Difference | -3% | -3% | -8% | 0% | -3% | -4% | -10% | -8% | 4% | -1% | | | -1.5% | -4% |

It's Better OFF

Loughborough University




## Schofield Building

In Q4 you reduced your consumption by… 13.2%
which is…

4,141 kWh

£351.99

2.24 t/Co2

This shows the monthly electricity consumption Schofield Building During the 4th Quarter 2010, 27,161 kWh of electricity were consumed, this was 13.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction across the board, both in peak load and base load.

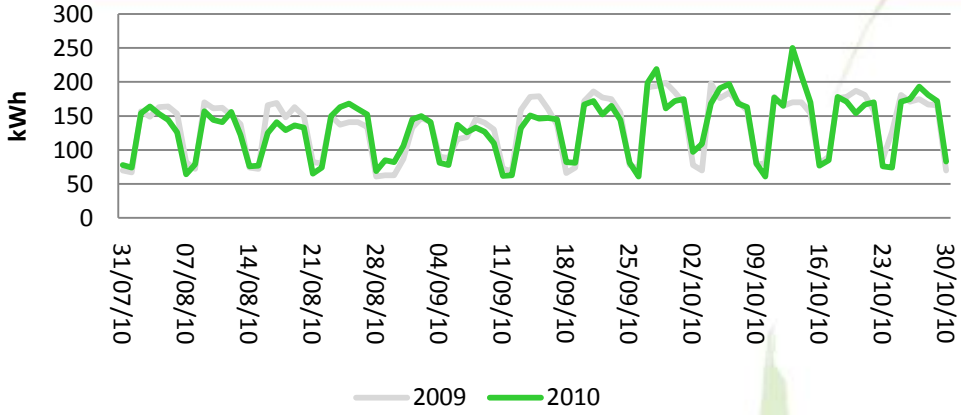
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight reduction to the base load, and a slightly larger reduction to the peak load.

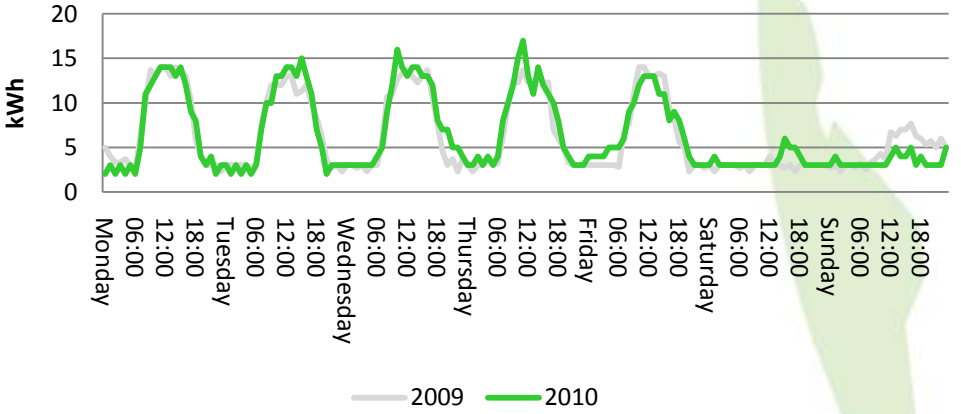
Base load 10kWh, Peak Load 39kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 10,528 | 10,608 | 12,107 | 9,005 | 11,057 | 9,494 | 8,731 | 8,665 | 9,952 | 12,685 | | | 31,302 | 102,832 |
| 2010 | 11,988 | 11,663 | 12,943 | 8,755 | 10,261 | 9,186 | 7,860 | 7,478 | 8,730 | 10,953 | | | 27,161 | 99,817 |
| Difference | 14% | 10% | 7% | -3% | -7% | -3% | -10% | -14% | -12% | -14% | | | -13.2% | -3% |

It's Better OFF

Loughborough University




## Schofield Maths CETL

In Q4 you reduced your consumption by… 1.4%
which is…

176 kWh

£14.96

0.10 t/Co2

This shows the monthly electricity consumption Schofield Math CETL During the 4th Quarter 2010, 12,285 kWh of electricity were consumed, this was 1.4% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a very similar profile to the previous year. There is a reduction in peak load during August and September, but less of a reduction during October.

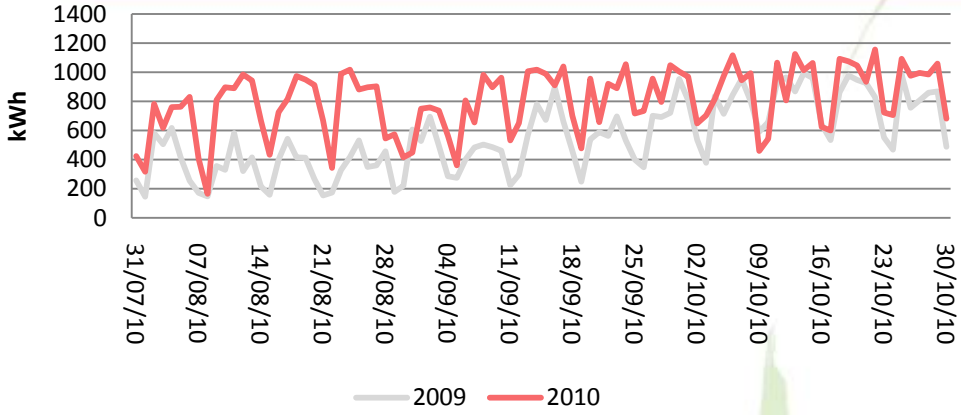
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a very slight increase in base load and peak load on occasions. This will need to be watched.

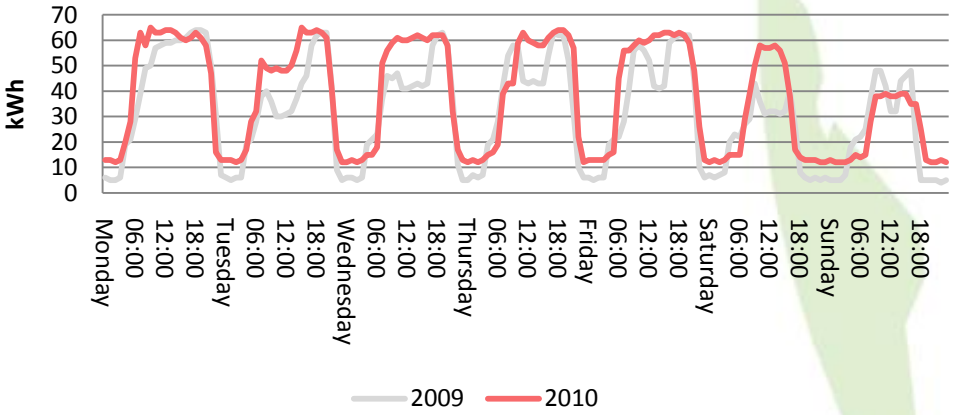
Base load 2kWh, Peak Load 17kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 5,769 | 5,583 | 5,295 | 3,966 | 4,471 | 4,361 | 4,092 | 3,853 | 4,030 | 4,578 | | | 12,461 | 45,998 |
| 2010 | 4,428 | 4,314 | 4,541 | 3,394 | 4,120 | 4,564 | 4,329 | 3,767 | 3,929 | 4,589 | | | 12,285 | 41,975 |
| Difference | -23% | -23% | -14% | -14% | -8% | 5% | 6% | -2% | -3% | 0% | | | -1.4% | -9% |

It's Better OFF

Loughborough University




## SEB Coe HIPAC

In Q4 you increased your consumption by…46.4%
which is…
23,598 kWh
£2,005.83
12.76 t/Co2

This shows the monthly electricity consumption Seb Coe HIPAC During the 4th Quarter 2010, 74,424 kWh of electricity were consumed, this was 46.4% higher than the previous year. This increase is due to the increased office space and Spa pool installed there

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a massive increase in consumption, in both the base load and the peak load, although the profile does start to even out slightly more towards the end of October.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight increase to the base load, but a considerable increase in the consumption during the day, especially during the middle of the day.

Base load 10 kWh, Peak Load 62kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 21,058 | 19,618 | 18,561 | 16,330 | 14,929 | 13,285 | 13,875 | 10,702 | 15,824 | 24,300 | | | 50,826 | 168,482 |
| 2010 | 23,711 | 23,208 | 22,751 | 18,067 | 16,956 | 19,000 | 20,628 | 22,330 | 24,533 | 27,561 | | | 74,424 | 218,745 |
| Difference | 13% | 18% | 23% | 11% | 14% | 43% | 49% | 109% | 55% | 13% | | | 46.4% | 30% |

It's Better OFF

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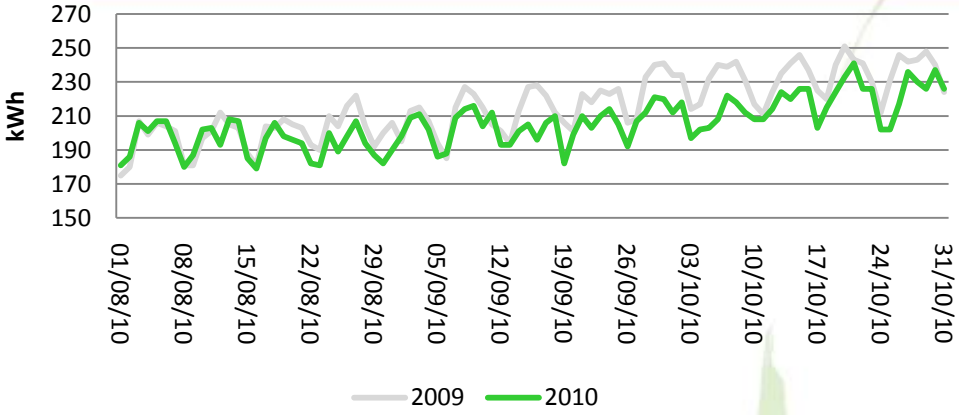
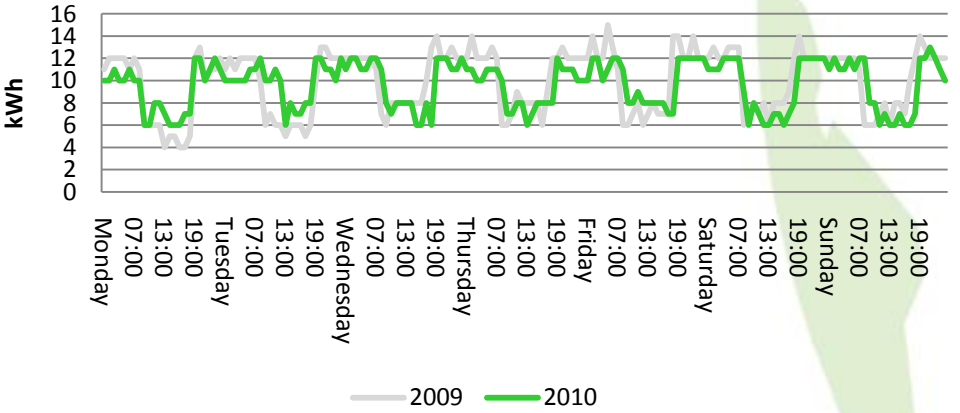



## Security

In Q4 you reduced your consumption by… 4.5%
which is…
888 kWh
£75.48
0.48 t/Co2

This shows the monthly electricity consumption Security
During the 4th Quarter 2010, 18,967 kWh of electricity were consumed, this was 4.5% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a very similar profile to the previous year, considerable savings have been made during September and October, both to the base and peak loads.

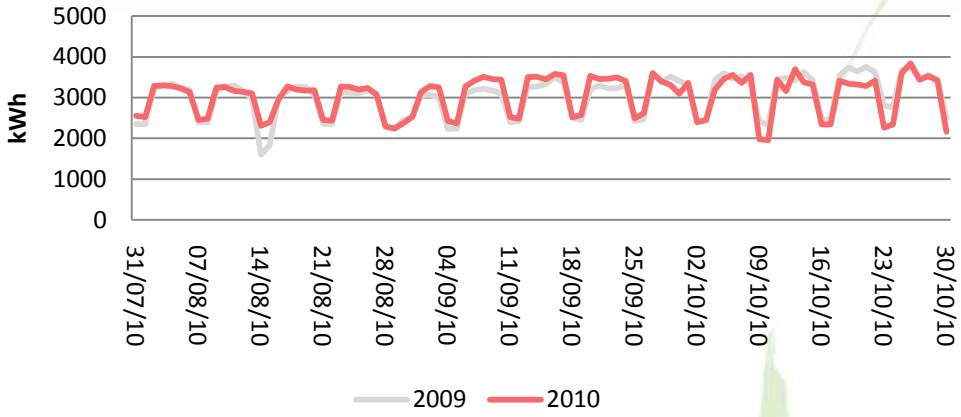
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows slight increases to the base load, but reductions to the peak load.

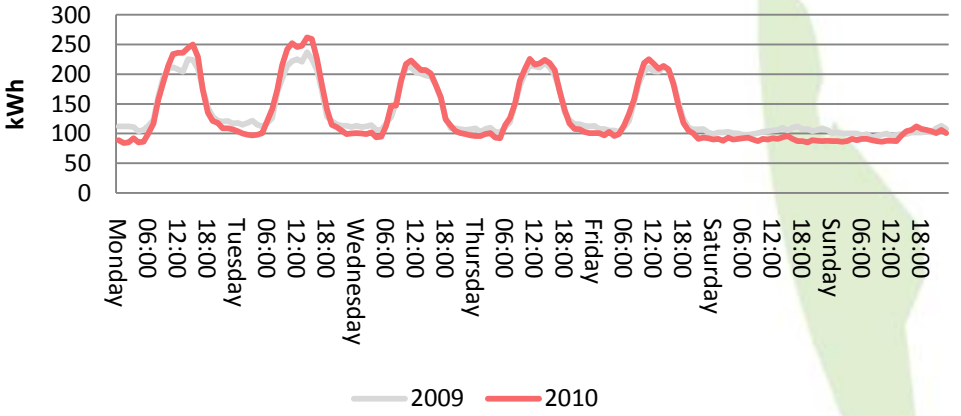
Base load 6kWh, Peak Load 12kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 8,392 | 6,945 | 7,255 | 6,475 | 6,088 | 5,869 | 6,134 | 6,182 | 6,442 | 7,231 | | | 19,855 | 67,013 |
| 2010 | 8,085 | 6,737 | 6,692 | 6,109 | 6,027 | 5,996 | 6,142 | 6,043 | 6,143 | 6,781 | | | 18,967 | 64,755 |
| Difference | -4% | -3% | -8% | -6% | -1% | 2% | 0% | -2% | -5% | -6% | | | -4.5% | -3% |

It's Better OFF

Loughborough University




## Sir David Davies

In Q4 you increased your consumption by…0.6%
which is…
1,679 kWh
£142.72
0.91 t/Co2

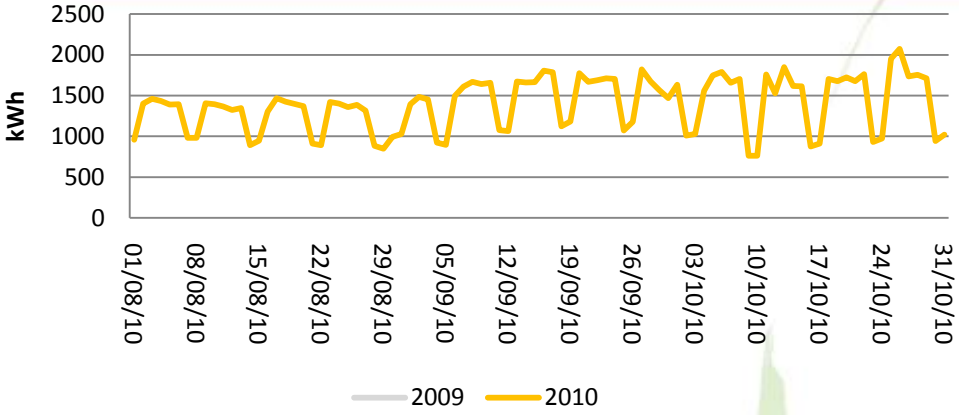
This shows the monthly electricity consumption Sir David Davies During the 4th Quarter 2010, 280,052 kWh of electricity were consumed, this was 0.6% higher than the previous year.

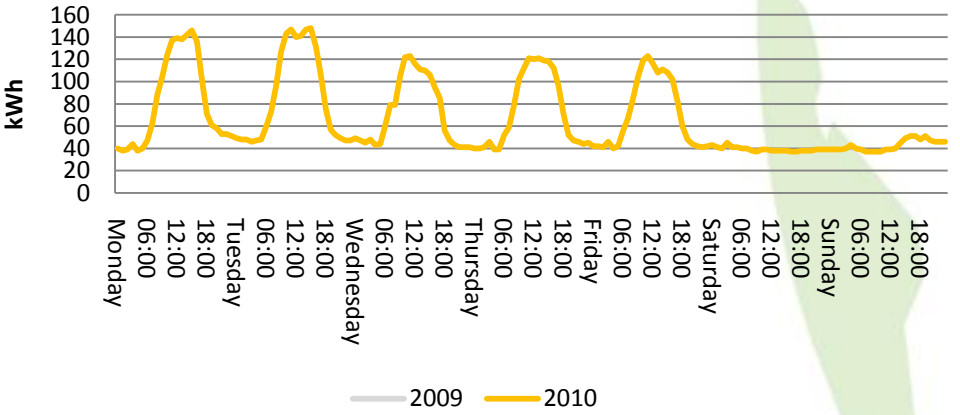
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an almost identical profile compared to the previous year, but with increases to the peak load during August and September, and decreases during October.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a reduction to the base load, but very little change to the peak load.

Base load 49 kWh, Peak Load 250kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 94,854 | 91,777 | 102,222 | 86,104 | 98,754 | 98,728 | 95,843 | 88,125 | 90,025 | 100,223 | | | 278,373 | 946,655 |
| 2010 | 91,892 | 96,092 | 103,675 | 85,179 | 98,955 | 94,193 | 98,169 | 90,416 | 95,089 | 94,547 | | | 280,052 | 948,207 |
| Difference | -3% | 5% | 1% | -1% | 0% | -5% | 2% | 3% | 6% | -6% | | | 0.6% | 0% |




## Sir David Davies, Electrical Engineering

Due to metering issues we have been unable to collect data from 2009 for the Electrical Engineering area, the data provided is to give an idea of the areas current consumption.

This shows the monthly electricity consumption for Sir David Davies Electrical Engineering

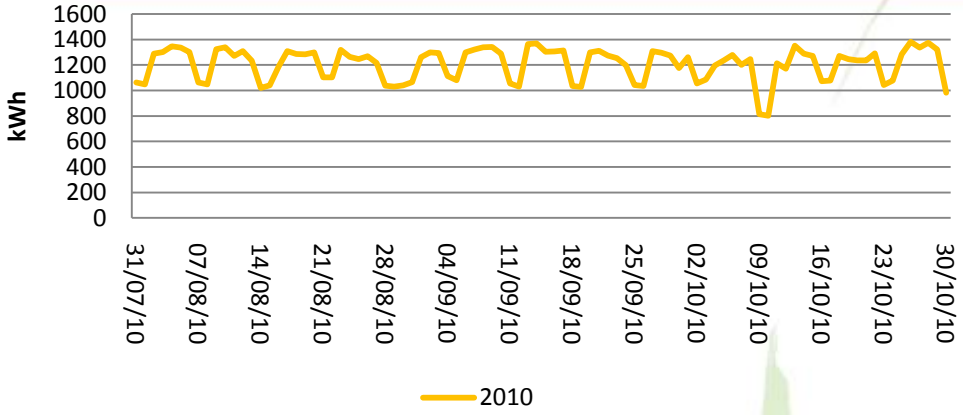
During the 4th Quarter 2010, 128,133 kWh of electricity were consumed.

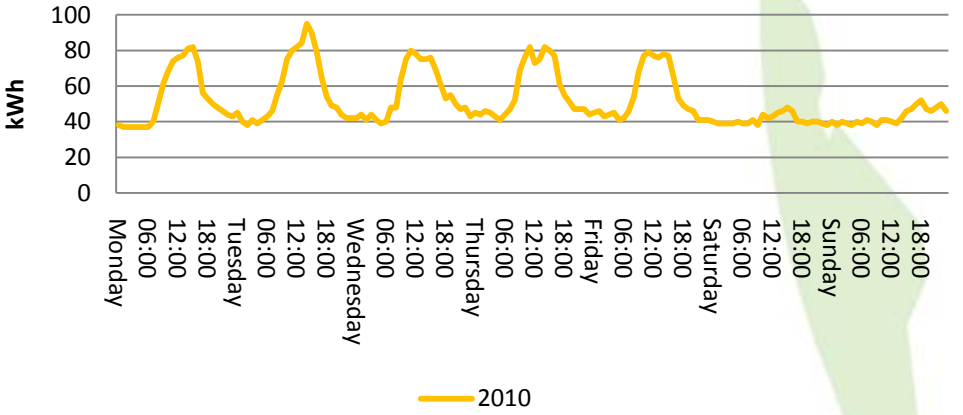
**Graph 1** illustrates the daily consumption profile for the 4th Quarter.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010.

Base load 40kWh, Peak Load 142kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | | | | | | | | - | - | - | | | - | - |
| 2010 | | | | 39,540 | 47,626 | 44,623 | 42,831 | 38,101 | 44,585 | 45,447 | | | 128,133 | 302,753 |
| Difference | | | | | | | | | | | | | | |




## Sir David Davies, Phsyics

Due to metering issues we have been unable to collect data from 2009 for the Physics area, the data provided is to give an idea of the areas current consumption.

This shows the monthly electricity consumption for Sir David Davies Physics

During the 4th Quarter 2010, 110,978 kWh of electricity were consumed.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010.

Base load 40kWh, Peak Load 90kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | | | | | | | | | | | | | | - |
| 2010 | | | | 33,133 | 37,102 | 34,100 | 38,814 | 37,331 | 36,914 | 36,733 | | | 110,978 | 254,127 |
| Difference | | | | | | | | | | | | | | |

It's Better OFF

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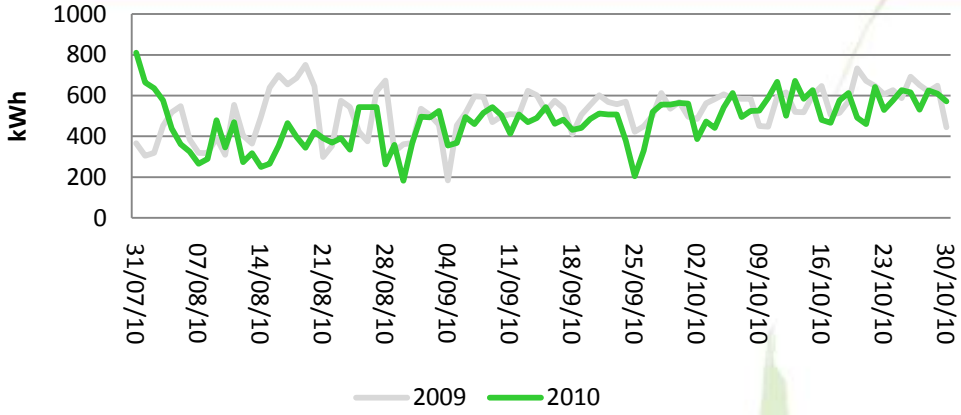
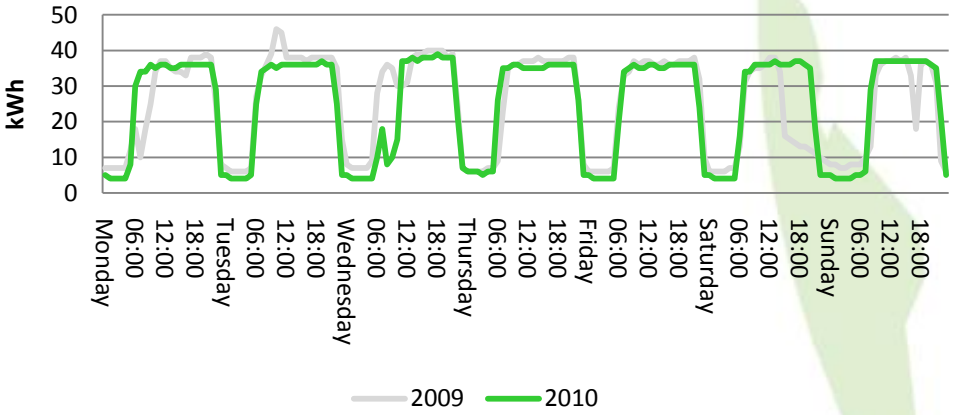



## Sir David Wallace

In Q4 you reduced your consumption by… 9.3%
which is…
4,463 kWh
£379.36
2.41 t/Co2

This shows the monthly electricity consumption Sir David Wallace During the 4th Quarter 2010, 43,534 kWh of electricity were consumed, this was 9.3% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an erratic consumption profile, but similar to the previous year, generally the consumption is lower than the previous year.

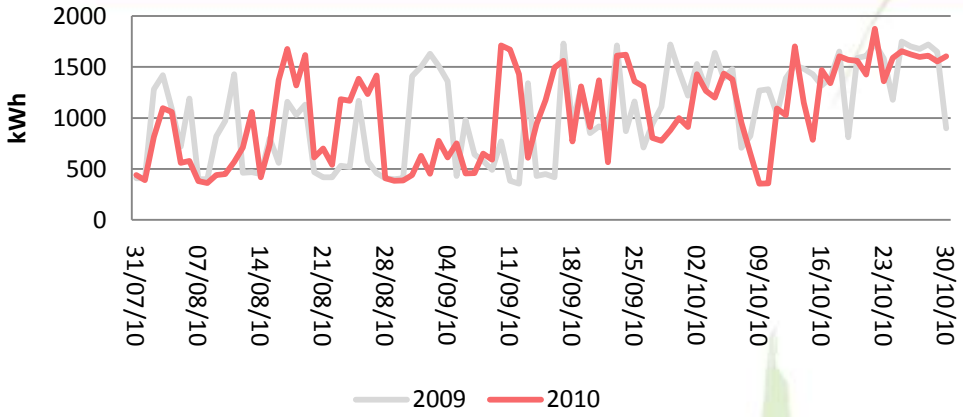
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight decrease to the base and peak loads, also better control of the open and close of the building.

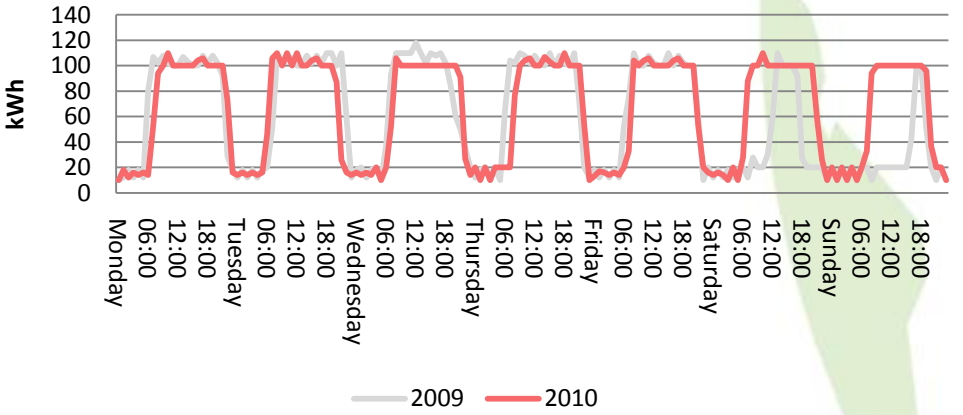
Base load 5kWh, Peak Load 25kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 12,762 | 15,476 | 17,313 | 15,317 | 14,680 | 13,222 | 15,412 | 14,677 | 15,346 | 17,974 | | | 47,997 | 152,179 |
| 2010 | 12,965 | 15,719 | 17,581 | 17,705 | 16,113 | 14,800 | 17,176 | 12,226 | 14,119 | 17,189 | | | 43,534 | 155,593 |
| Difference | 2% | 2% | 2% | 16% | 10% | 12% | 11% | -17% | -8% | -4% | | | -9.3% | 2% |

It's Better OFF

Loughborough University




## Sir John Ferguson Cricket

In Q4 you increased your consumption by…1.2%
which is…
1,180 kWh
£100.30
0.64 t/Co2

This shows the monthly electricity consumption Sir John Ferguson Cricket Academy
During the 4th Quarter 2010, 96,297 kWh of electricity were consumed, this was 1.2% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows erratic consumption similar to the previous year. This shows the facility is in use throughout the week.

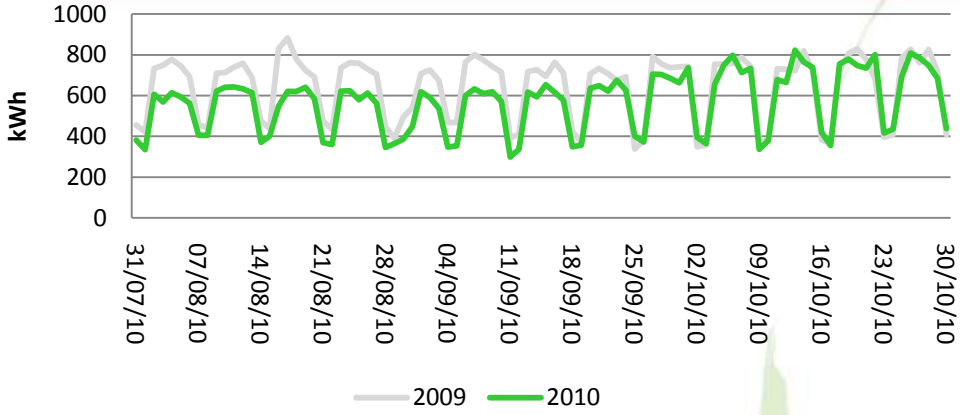
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows the base and peak load are identical but by switching everything on later and off earlier reductions have been made.

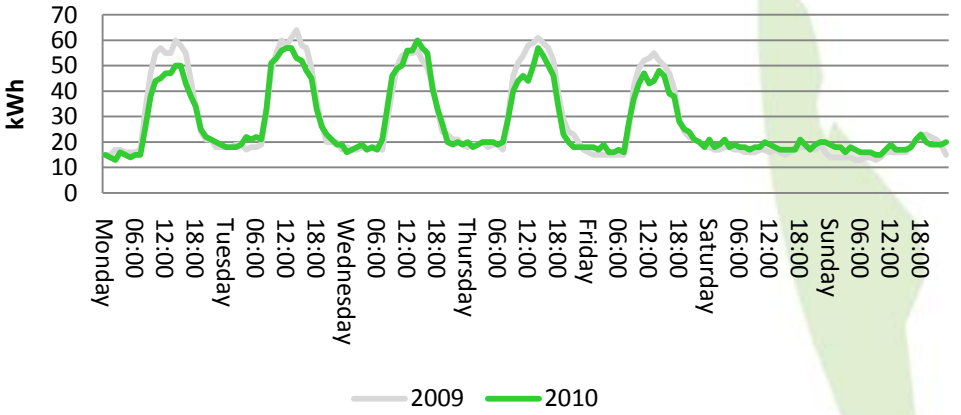
Base load 12kWh, Peak Load 104kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 50,414 | 46,603 | 42,089 | 27,109 | 18,426 | 18,995 | 18,769 | 22,389 | 29,519 | 43,209 | | | 95,117 | 317,522 |
| 2010 | 38,598 | 39,766 | 42,390 | 25,532 | 19,848 | 19,520 | 17,978 | 25,479 | 30,259 | 40,559 | | | 96,297 | 299,929 |
| Difference | -23% | -15% | 1% | -6% | 8% | 3% | -4% | 14% | 3% | -6% | | | 1.2% | -6% |

It's Better OFF

Loughborough University




## Sir Richard Morris

In Q4 you reduced your consumption by… 11.2%

which is…

6,624 kWh

£563.04

3.58 t/Co2

This shows the monthly electricity consumption Sir Richard Morris During the 4th Quarter 2010, 52,474 kWh of electricity were consumed, this was 11.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows fantastic savings during August and early September compared to the previous year, but during October the consumption in creeping up. This will need to be watched closely!

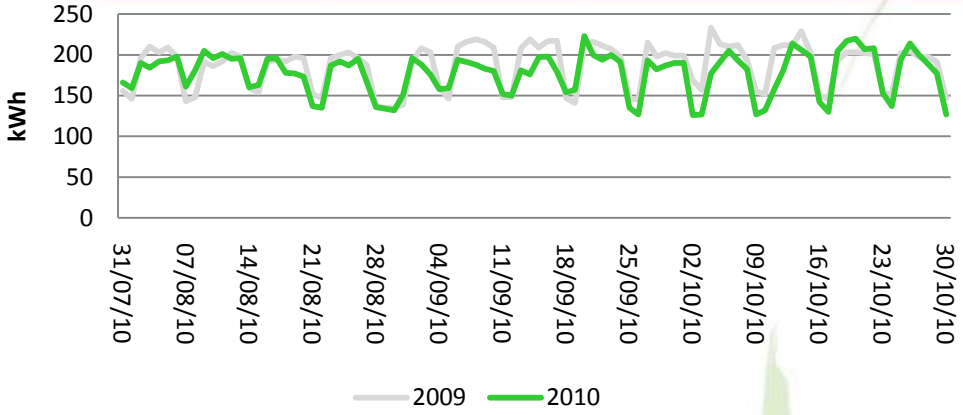
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows an identical consumption pattern compared to the previous year with some slight reductions to the peak load. Still plenty of work to do on the base load to make further savings.

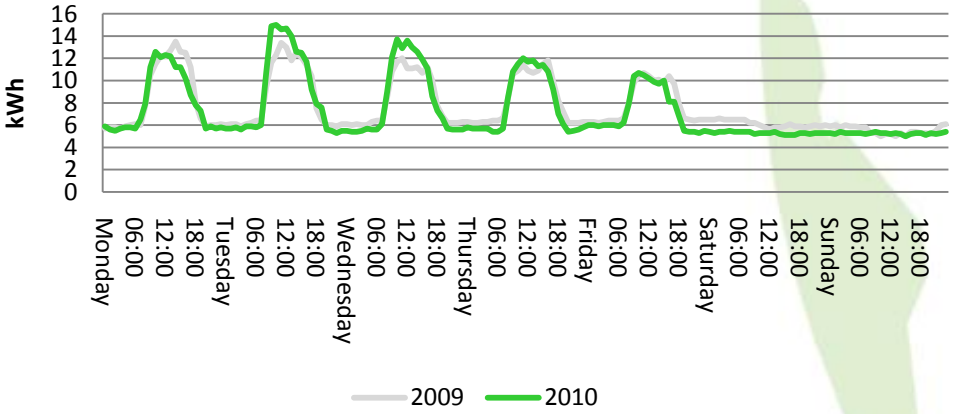
Base load 12kWh, Peak Load 60kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 24,194 | 22,718 | 24,697 | 20,084 | 22,947 | 21,024 | 20,783 | 19,837 | 19,102 | 20,159 | | | 59,098 | 215,545 |
| 2010 | 20,806 | 18,556 | 19,676 | 15,367 | 17,497 | 17,108 | 17,374 | 16,307 | 16,614 | 19,553 | | | 52,474 | 178,858 |
| Difference | -14% | -18% | -20% | -23% | -24% | -19% | -16% | -18% | -13% | -3% | | | -11.2% | -17% |

It's Better OFF

Loughborough University




## Sir Richard Morris Extension

In Q4 you reduced your consumption by… 5.2%

which is…

894 kWh

£75.99

0.48 t/Co2

This shows the monthly electricity consumption Sir Richard Morris Extension

During the 4th Quarter 2010, 16,273 kWh of electricity were consumed, this was 5.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a good reduction in peak load during September and a slight reduction in base load during October.

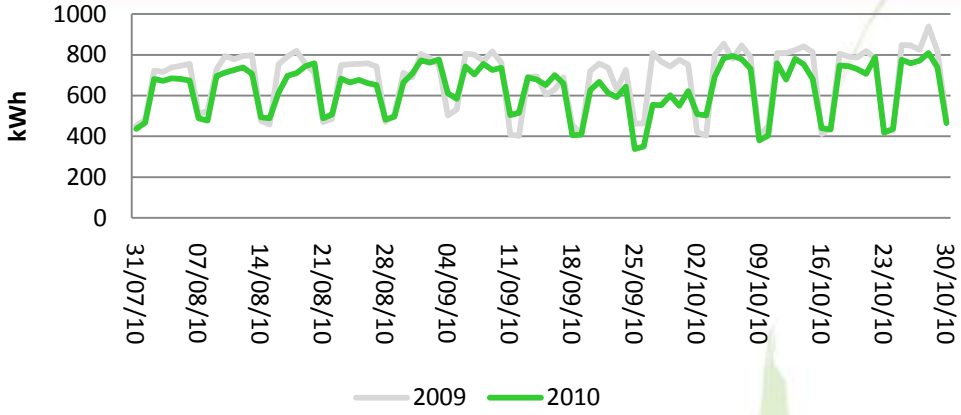
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows an increase in peak load during the week, but a reduction in base load towards the end of the week.

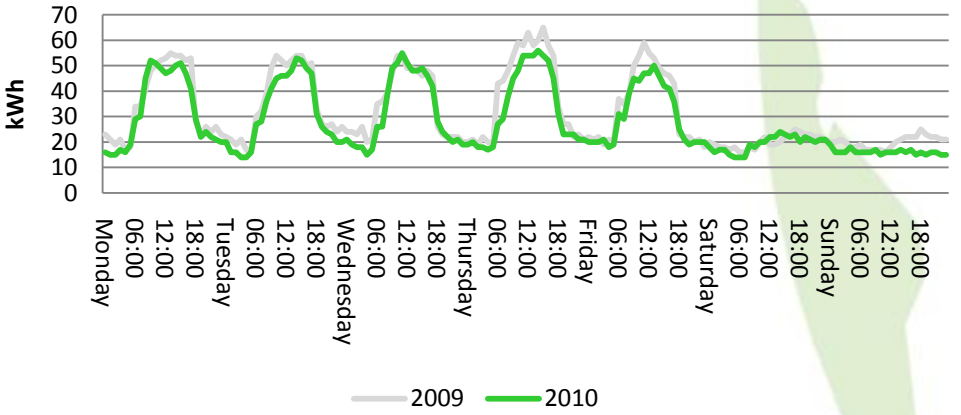
Base load 5kWh, Peak Load 15kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 7,112 | 6,177 | 6,270 | 5,727 | 6,224 | 5,774 | 5,837 | 5,550 | 5,722 | 5,895 | | | 17,167 | 60,288 |
| 2010 | 5,938 | 5,347 | 5,865 | 5,169 | 5,230 | 5,672 | 5,583 | 5,445 | 5,377 | 5,451 | | | 16,273 | 55,077 |
| Difference | -17% | -13% | -6% | -10% | -16% | -2% | -4% | -2% | -6% | -8% | | | -5.2% | -9% |

It's Better OFF

Loughborough University




## Stewart Mason

In Q4 you reduced your consumption by… 6.9%

which is…

4,281 kWh

£363.89

2.31 t/Co2

This shows the monthly electricity consumption Stewart Mason During the 4th Quarter 2010, 58,065 kWh of electricity were consumed, this was 6.9% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general reduction in peak load across the quarter, there are also occasionally some significant reductions in base load too.

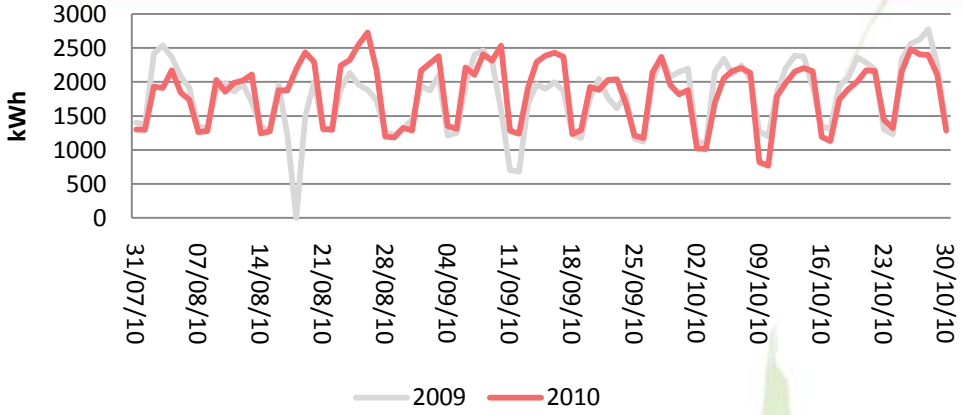
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This period shows a slight reduction in base load across the week, with some occasional reductions to the peak load.

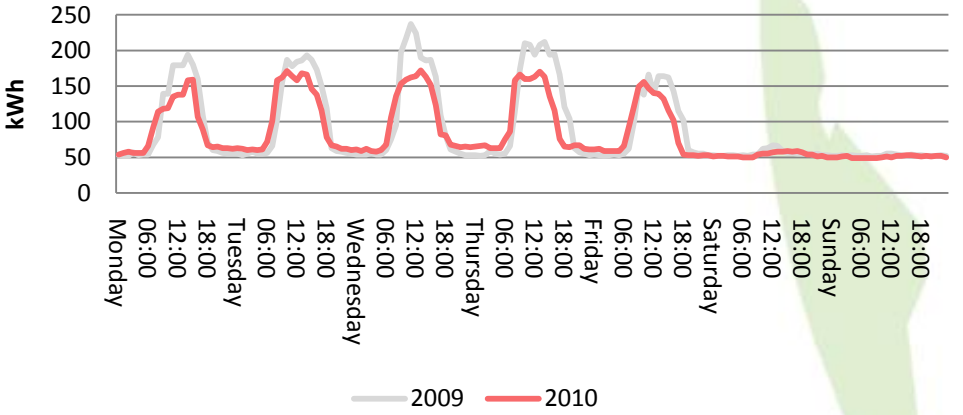
Base load 7kWh, Peak Load 55kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 20,520 | 19,310 | 23,405 | 20,971 | 23,397 | 21,019 | 21,718 | 20,716 | 19,810 | 21,820 | | | 62,346 | 212,686 |
| 2010 | 22,326 | 19,948 | 23,076 | 20,161 | 22,865 | 21,499 | 19,594 | 19,595 | 18,473 | 19,997 | | | 58,065 | 207,534 |
| Difference | 9% | 3% | -1% | -4% | -2% | 2% | -10% | -5% | -7% | -8% | | | -6.9% | -2% |

It's Better OFF

Loughborough University




## Stewart Miller

In Q4 you increased your consumption by…3.5%
which is…
5,679 kWh
£482.72
3.07 t/Co2

This shows the monthly electricity consumption Stewart Miller During the 4th Quarter 2010, 169,153 kWh of electricity were consumed, this was 3.5% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a steady consumption, generally higher through August and September, but remaining constant through October, producing a saving.

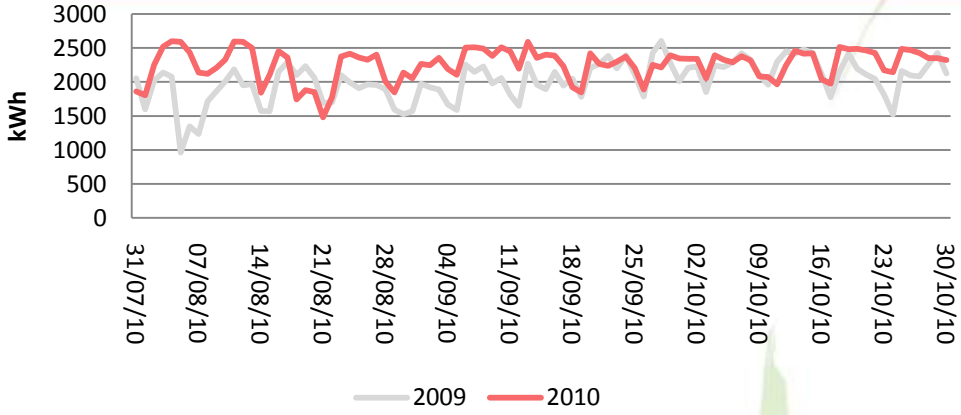
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows a very slight increase to the base load, but a good reduction to the peak load during the week.

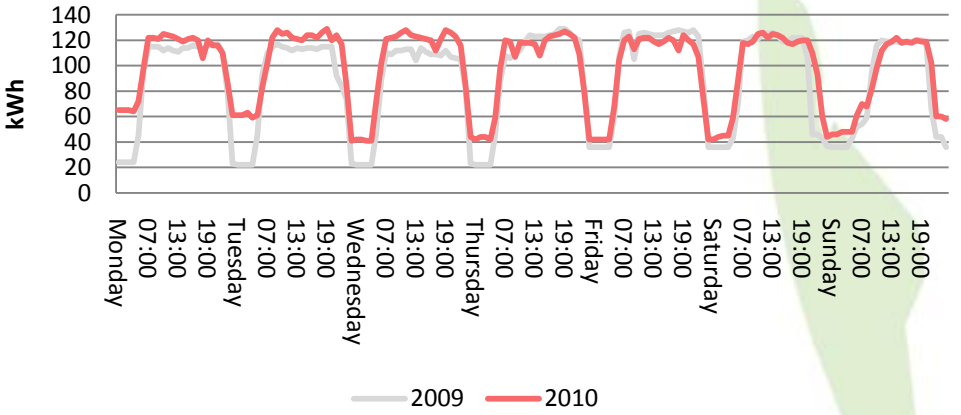
Base load 50kWh, Peak Load 160kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 65,761 | 63,705 | 72,673 | 62,125 | 74,761 | 81,559 | 63,810 | 51,452 | 51,443 | 60,579 | | | 163,474 | 647,868 |
| 2010 | 61,214 | 62,636 | 70,204 | 61,033 | 63,891 | 60,953 | 59,343 | 56,247 | 57,725 | 55,181 | | | 169,153 | 608,427 |
| Difference | -7% | -2% | -3% | -2% | -15% | -25% | -7% | 9% | 12% | -9% | | | 3.5% | -6% |

It's Better OFF

Loughborough University




## Swimming Pool

In Q4 you increased your consumption by… 11.9%
which is…

22,123 kWh

£1,880.46

11.96 t/Co2

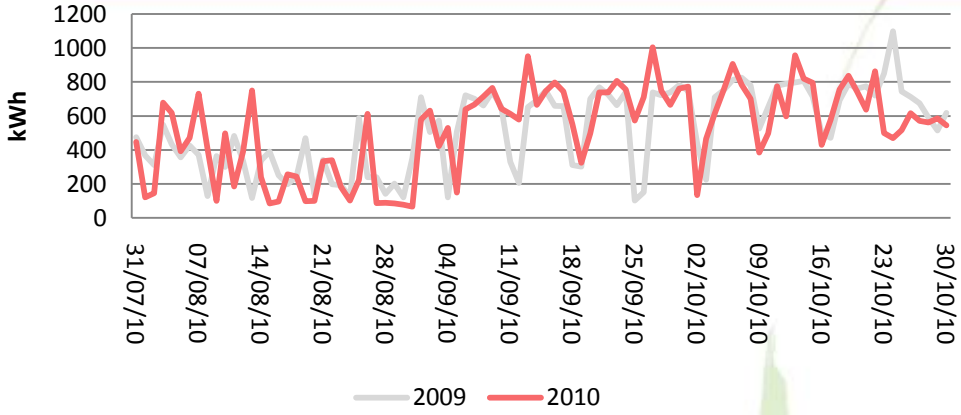
This shows the monthly electricity consumption Swimming Pool During the 4th Quarter 2010, 208,190 kWh of electricity were consumed, this was 11.9% higher than the previous year.

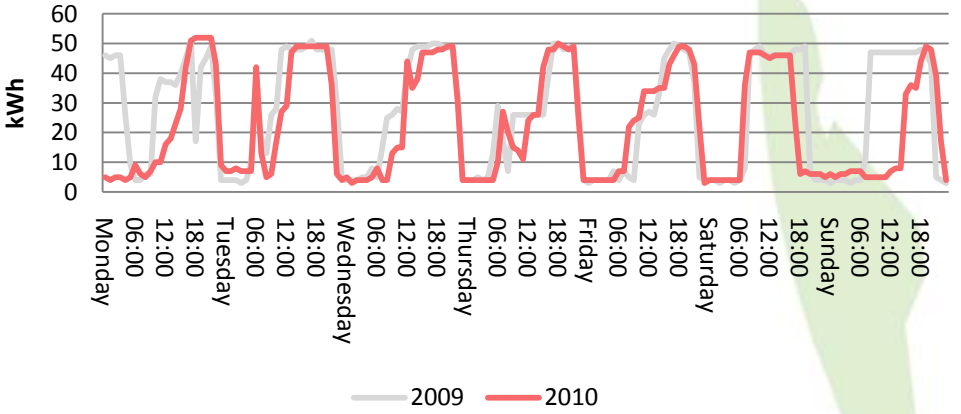
**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general increase across the board. Both base load and peak load.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a massive increase in the base load, but very little difference to the peak load.

Base load 60kWh, Peak Load 124kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 70,495 | 63,843 | 66,493 | 63,233 | 65,314 | 62,968 | 63,180 | 57,444 | 61,422 | 67,201 | | | 186,067 | 641,593 |
| 2010 | 73,485 | 66,158 | 70,848 | 66,133 | 66,892 | 59,357 | 71,754 | 68,102 | 68,860 | 71,228 | | | 208,190 | 682,817 |
| Difference | 4% | 4% | 7% | 5% | 2% | -6% | 14% | 19% | 12% | 6% | | | 11.9% | 6% |




## Tennis Centre

In Q4 you increased your consumption by…0.8%
which is…

367 kWh

£31.20

0.20 t/Co2

This shows the monthly electricity consumption the Tennis Centre During the 4th Quarter 2010, 48,080 kWh of electricity were consumed, this was 0.8% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows an erratic consumption profile, with a step change in early September, this would suggest increased use of the facility possibly?

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows very little change in the base load, and peak load, the slightly reduced operating hours have encouraged the saving in October

Base load 5kWh, Peak Load 51kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 26,616 | 23,440 | 23,728 | 15,095 | 13,971 | 10,225 | 12,062 | 9,440 | 16,621 | 21,652 | | | 47,713 | 172,850 |
| 2010 | 22,611 | 21,534 | 22,598 | 13,653 | 13,171 | 13,075 | 9,322 | 8,808 | 19,712 | 19,560 | | | 48,080 | 164,044 |
| Difference | -15% | -8% | -5% | -10% | -6% | 28% | -23% | -7% | 19% | -10% | | | 0.8% | -5% |

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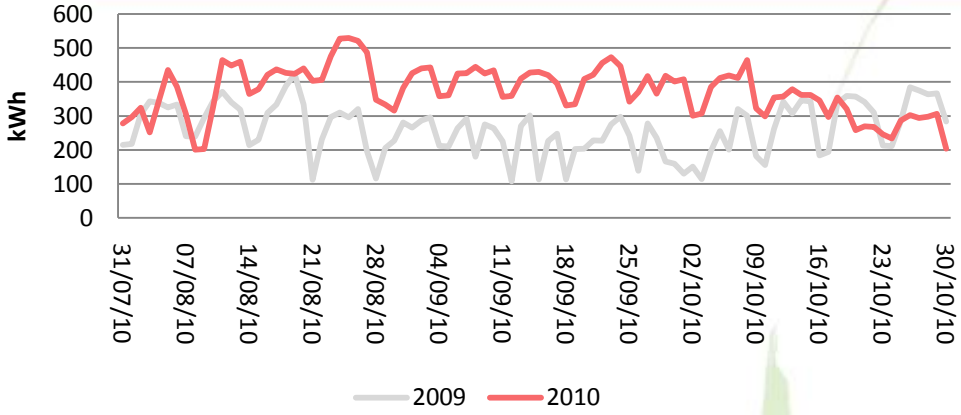


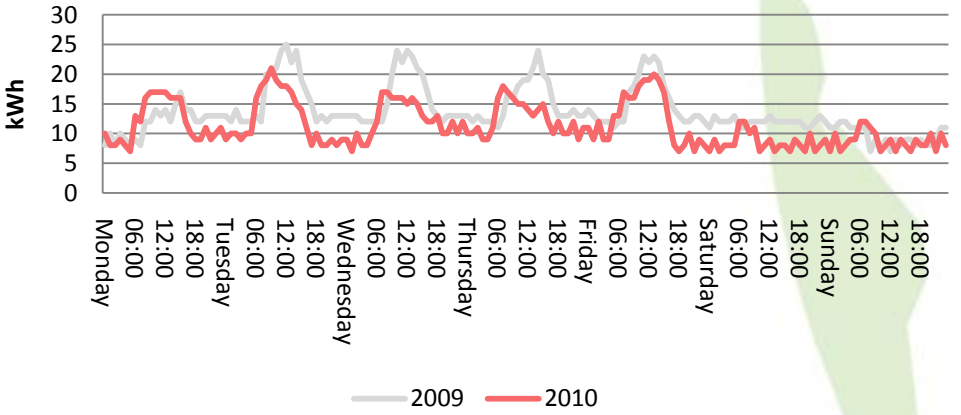


## Undercroft

In Q4 you increased your consumption by…42.7%
which is…
10,252 kWh
£871.42
5.54 t/Co2

This shows the monthly electricity consumption the Undercroft During the 4th Quarter 2010, 34,276 kWh of electricity were consumed, this was 42.7% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a massive increase during August and September, which is starting to return to normal towards the end of October.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows a reduction in both base load and peak load, but it would be interesting to see the difference during September. (contact envrionment@lboro.ac.uk to request further data)

Base load 8kWh, Peak Load 21kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 8,030 | 8,219 | 8,346 | 6,984 | 7,474 | 9,946 | 9,687 | 8,766 | 6,928 | 8,330 | | | 24,024 | 82,710 |
| 2010 | 9,224 | 9,594 | 11,746 | 8,465 | 8,249 | 8,954 | 8,168 | 12,074 | 12,168 | 10,034 | | | 34,276 | 98,676 |
| Difference | 15% | 17% | 41% | 21% | 10% | -10% | -16% | 38% | 76% | 20% | | | 42.7% | 19% |

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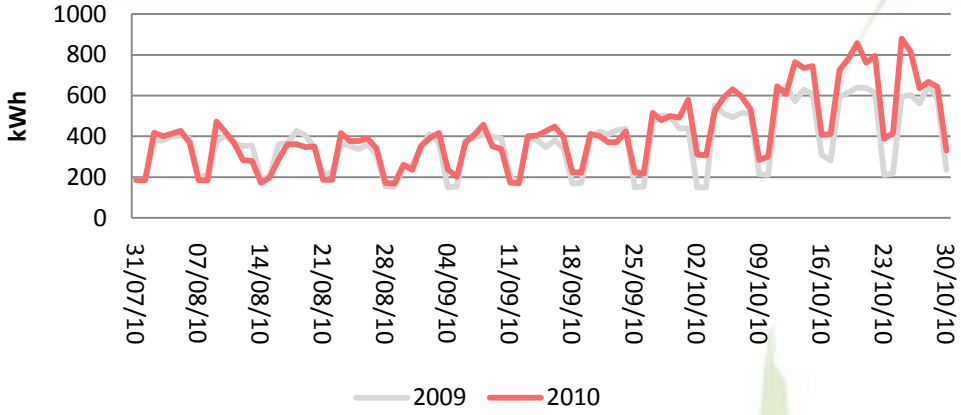


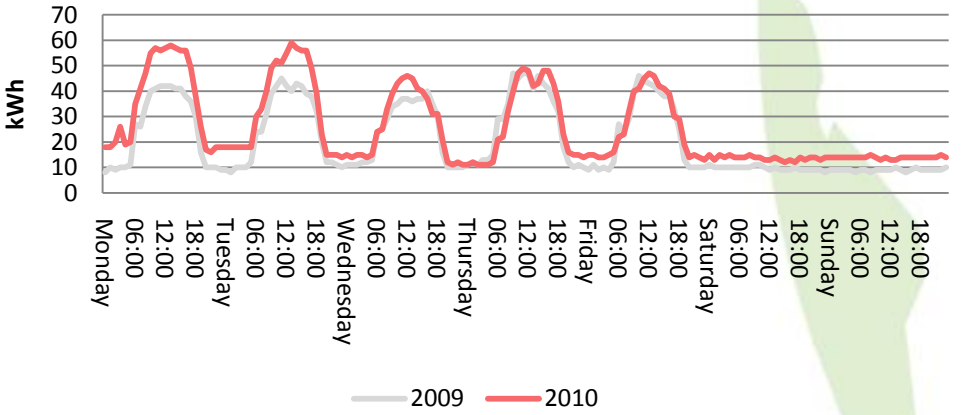


## Wavy Top

In Q4 you increased your consumption by… 12.0%
which is…
4,124 kWh
£350.54
2.23 t/Co2

This shows the monthly electricity consumption Wavy Top
During the 4th Quarter 2010, 38,419 kWh of electricity were consumed, this was 12% higher than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a gradual increase in both the base load and peak load starting in September and increasing.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This particular period shows an increase in both the base load and the peak load, especially at the beginning of the week.

Base load 8kWh, Peak Load 21kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 18,489 | 17,832 | 20,034 | 13,678 | 13,561 | 12,313 | 11,691 | 9,615 | 10,095 | 14,585 | | | 34,295 | 141,893 |
| 2010 | 23,295 | 21,983 | 22,064 | 15,368 | 15,553 | 13,932 | 12,932 | 9,607 | 10,799 | 18,013 | | | 38,419 | 163,546 |
| Difference | 26% | 23% | 10% | 12% | 15% | 13% | 11% | 0% | 7% | 24% | | | 12.0% | 15% |

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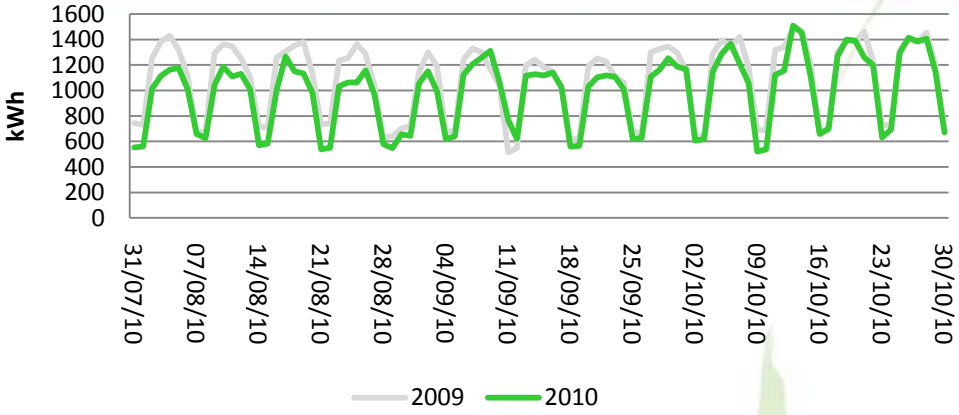


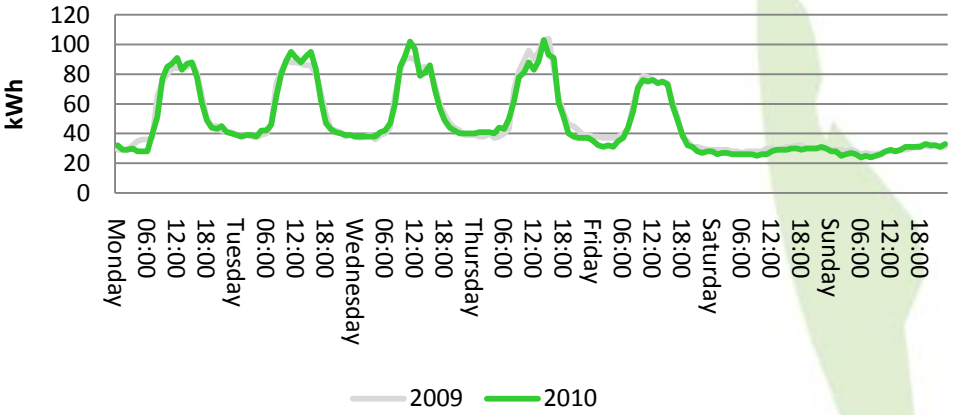


## Wolfson Building

In Q4 you reduced your consumption by… 8.6%

which is…

8,627 kWh

£733.30

4.66 t/Co2

This shows the monthly electricity consumption Wolfson Building During the 4th Quarter 2010, 91,161 kWh of electricity were consumed, this was 8.6% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a general reduction in consumption throughout the quarter, especially during August when there is a considerable reduction to the peak load.

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a slight reduction to both the base and peak load, which if maintained will continue to see savings.

Base load 22kWh, Peak Load 100kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 41,610 | 41,066 | 43,521 | 37,388 | 40,238 | 33,257 | 34,721 | 33,159 | 31,032 | 35,597 | | | 99,788 | 371,589 |
| 2010 | 38,088 | 34,630 | 40,034 | 32,123 | 36,985 | 32,858 | 29,165 | 28,286 | 29,799 | 33,076 | | | 91,161 | 335,044 |
| Difference | -8% | -16% | -8% | -14% | -8% | -1% | -16% | -15% | -4% | -7% | | | -8.6% | -10% |

It's Better OFF

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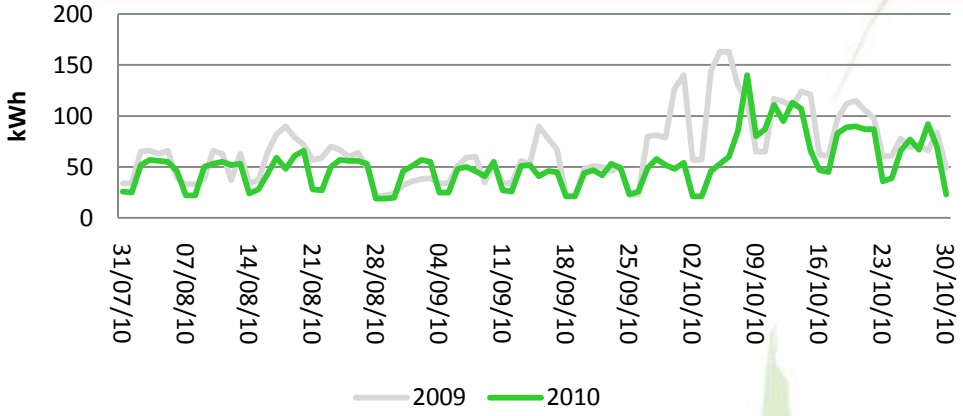
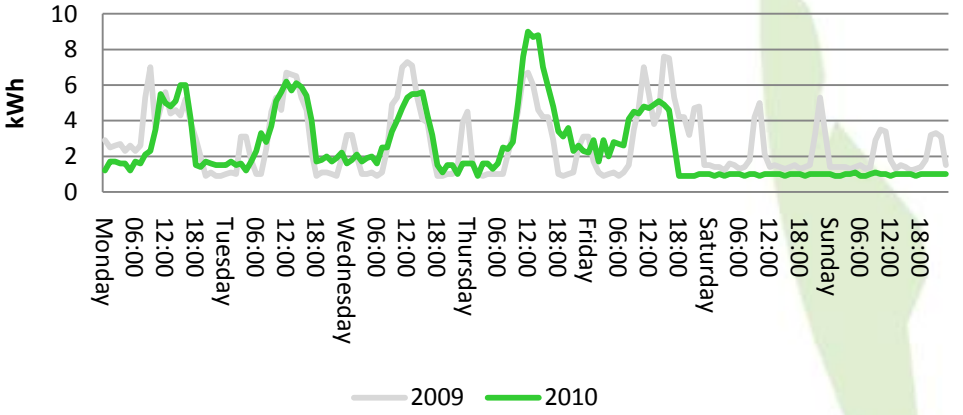



## WU 23

In Q4 you reduced your consumption by… 21.6%
which is…

1,324 kWh

£112.54

0.72 t/Co2

This shows the monthly electricity consumption WU23
During the 4th Quarter 2010, 4,792 kWh of electricity were consumed, this was 21.6% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a considerable reduction to the peak load during August and September continuing into October, although the consumption is starting to increase towards the end of the month, but still remaining below last years level.

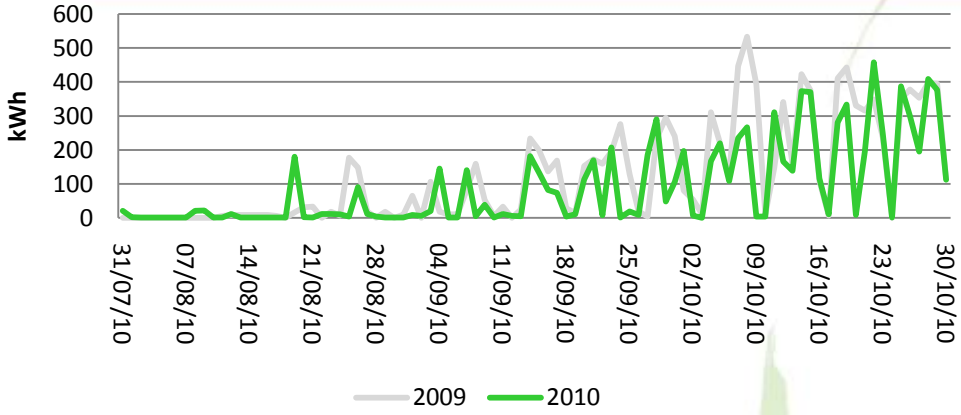
**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows a mixture of increases and decreases to the base load, but a definite reduction to the peak load.

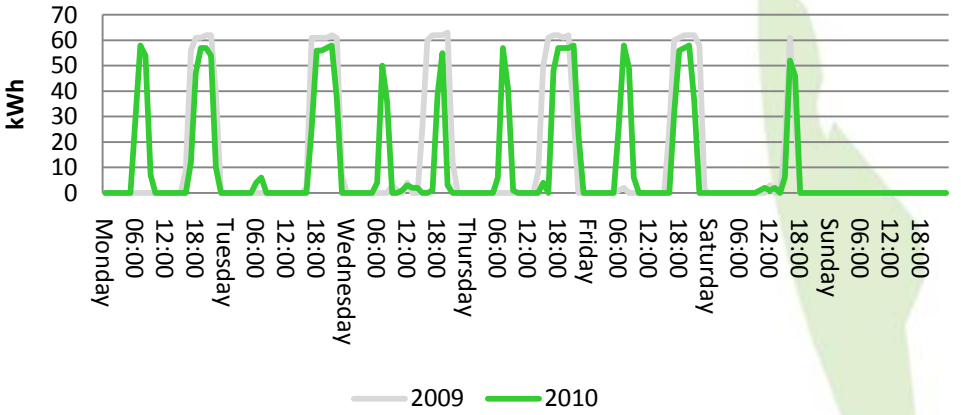
Base load 1kWh, Peak Load 9kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 2,084 | 2,567 | 2,847 | 2,661 | 2,754 | 2,206 | 2,133 | 1,651 | 1,463 | 3,002 | | | 6,116 | 23,368 |
| 2010 | 2,168 | 2,952 | 2,314 | 2,431 | 2,444 | 2,280 | 1,966 | 1,358 | 1,275 | 2,159 | | | 4,792 | 21,347 |
| Difference | 4% | 15% | -19% | -9% | -11% | 3% | -8% | -18% | -13% | -28% | | | -21.6% | -9% |

It's Better OFF

Loughborough University




## Water Based Hockey Lighting

In Q4 you reduced your consumption by… 27.2%

which is…

3,150 kWh

£267.75

1.70 t/Co2

This shows the monthly electricity consumption Water based hockey lights

During the 4th Quarter 2010, 8,433 kWh of electricity were consumed, this was 27.2% lower than the previous year.

**Graph 1** illustrates the daily consumption profile for the 4th Quarter. This shows a reduction in the peak load compared to the previous year

**Graph 2** shows the hourly consumption from the 26th Oct to 1st Nov 2010. This shows the consumption during this period was similar to the previous period, but in some cases the lights do not appear to be on for the same length of time, therefore using less energy.

Base load 0kWh, Peak Load 58kWh

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Q4 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009 | 4,320 | 4,449 | 4,364 | 950 | 1,017 | 683 | 43 | 526 | 2,996 | 8,061 | | | 11,583 | 27,409 |
| 2010 | 4,349 | 6,901 | 5,790 | 1,051 | 391 | 110 | 521 | 402 | 2,032 | 5,999 | | | 8,433 | 27,546 |
| Difference | 1% | 55% | 33% | 11% | -62% | -84% | 1112% | -24% | -32% | -26% | | | -27.2% | 0% |