

Schools' behavioural change competition 2015 - summary

Aims

1. To support schools to develop or improve their energy monitoring through SystemsLink training
2. To encourage and support schools to run a behavioural change campaign to reduce electricity usage

Background & activities

- Running a training session for school staff on Systemslink (the B&NES Automatic Metering System for energy monitoring)
- Running a behavioural change energy efficiency competition for B&NES schools, the BEST competition (B&NES Energy Saving Teams)
- Resources and in-school support provided during the competition period
- Schools taking part: St John's Primary, Keynsham, Shoscombe Primary, St Julian's Primary, Midsomer Norton Primary, St Saviours Infants, St Michael's Juniors, St Nicholas Primary, St John's RC Primary, Twerton Infants, Whitchurch Primary, St Andrew's Primary and Paulton Juniors
- Funded by B&NES, delivered by Resource Futures
- September 2014 – March 2015

Results

School	Baseline average weekly kWh	Competition week 1 kWh	Competition week 2 kWh	% change	Rank
1	1607	1225	1225	-23.8	3
2	788	599	610	-23.3	4
3	635	589	578	-8.2	11
4	1339	1020	1116	-21.0	6
5	2197	1747	1726	-20.2	7
6	615	417	442	-30.3	1
7	2041	1772	1635	-16.6	8
8	1351	1161	1230	-11.5	10
9	900	725	778	-16.4	9
10	1093	781	757	-29.6	2
11	1007	778	811	-22.7	5

St Julian's Primary was the winner of the competition category for the greatest reduction in electricity usage between the baseline and end of competition.

We also used SystemsLink data and school pupil numbers to calculate the weekly kWh usage per pupil for each school, averaged across the two-week competition period, as shown in the table below:

School	kWh per pupil per week	Rank
1	3.9	4
2	2.5	1
3	6.5	9
4	8.6	10
5	5.1	7
6	4.5	6
7	10.0	11
8	5.4	8
9	3.4	2
10	3.6	3
11	4.2	5

Paulton Juniors were the winner of the lowest per pupil usage competition category.

St Andrew's Primary decided to continue their campaign after the Easter holidays, and not to include their data in the judging because they currently have building work taking place on the school site and their electricity usage is atypically high.

A judging panel was formed, including representatives from Resource Futures and B&NES Council, to decide on the winner for the 'best campaign' category. Midsomer Norton Primary was the winner. Particular features of this school's entry which impressed the judges were:

- The extent to which the school had built on the framework provided by the BEST resource pack, incorporating new ideas from pupils and staff
- The way in which the whole school community had been involved, including parents, the caretaker and the school catering staff
- The school's plans for the future, including developing their energy-saving work and extending to other 'eco' themes such as recycling

For further information see:

<http://www.bathnes.gov.uk/latestnews/energy-saving-winners-announced>

<http://www.bathnes.gov.uk/services/environment/sustainability/schools/bnes-energy-smart-teams-best-competition>