

# Case Study 2: Whiteways Primary School

Using energy information provided by Energy Sparks to save 35% in annual gas use



Energy Sparks helped Whiteways Primary School to identify that their school was being heated during non-school hours. This led them to change (at zero cost) the timing of their boiler controls. This saved the school 35% of their annual gas costs.

*“Engaging with Energy Sparks has been a really worthwhile experience. Not only has the school saved money, the children have become more aware of the ways that they can help to reduced energy use. I would highly recommend to any other school.”*

Jennie Nixon, Head of School, Whiteways Primary School, Sheffield

**What is Energy Sparks?** Turning energy data into energy savings through a UK Government supported innovation to help schools save energy and costs\*.

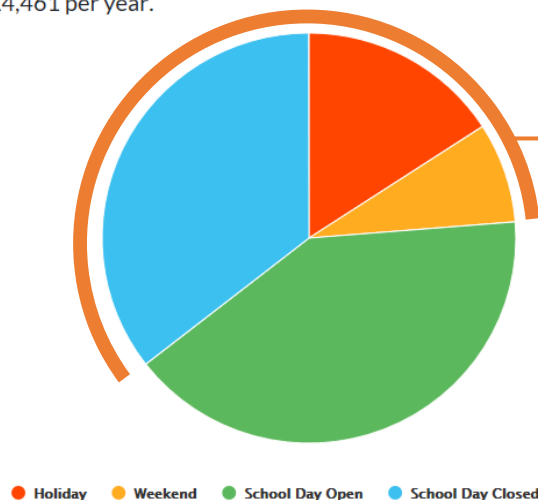
- Energy Sparks is an **interactive online platform with a pupil and teacher homepage**. It provides tools for analysing your school’s energy consumption and activities based on your school’s data. The information can **highlight potential to achieve energy savings**.
- Energy Sparks also has an **online alert system**, with optional email or text options to notify you of changes in electricity and gas consumption if the heating or hot water is accidentally left on at weekends or during holidays, or if the boiler starts coming on too early. It also sends texts and emails to remind you to turn appliances and heating off for upcoming holidays.

An important part of Energy Sparks is **pupil education**; pupils can act as strong advocates for change in schools. Energy Spark’s educational activities can also **provide pupils with skills in understanding energy** which can be applied in their future lives.

## How much energy is your school wasting out of hours?

### Breakdown by type of day/time: Gas

This chart shows when you have used gas over the past year. 59% of your gas usage is out of hours: which is above the average of 50%. The best schools only consume 25% out of hours. Reducing your school's out of hours usage to 25% would save £4,461 per year.



The analysis for Whiteways Primary School highlighted that **59% of the gas usage is when the school is closed** – out of school hours during the week, at weekends and during holidays.

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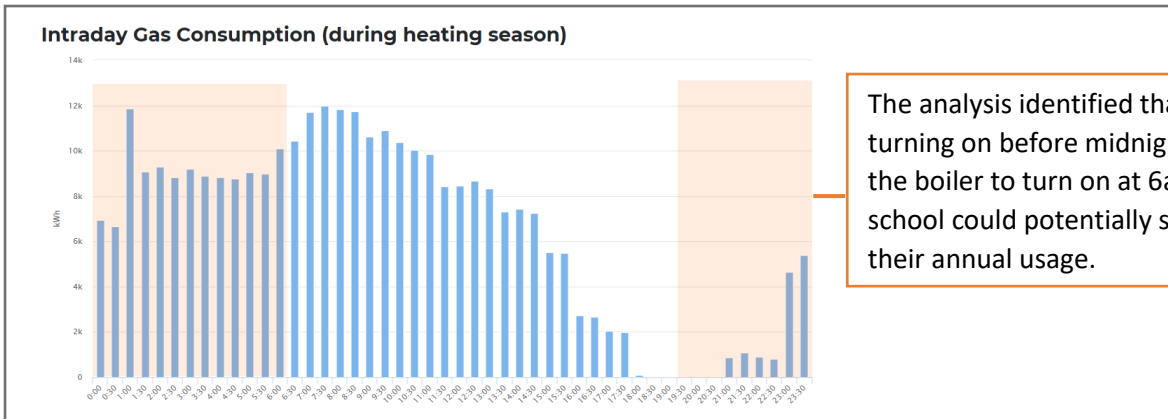
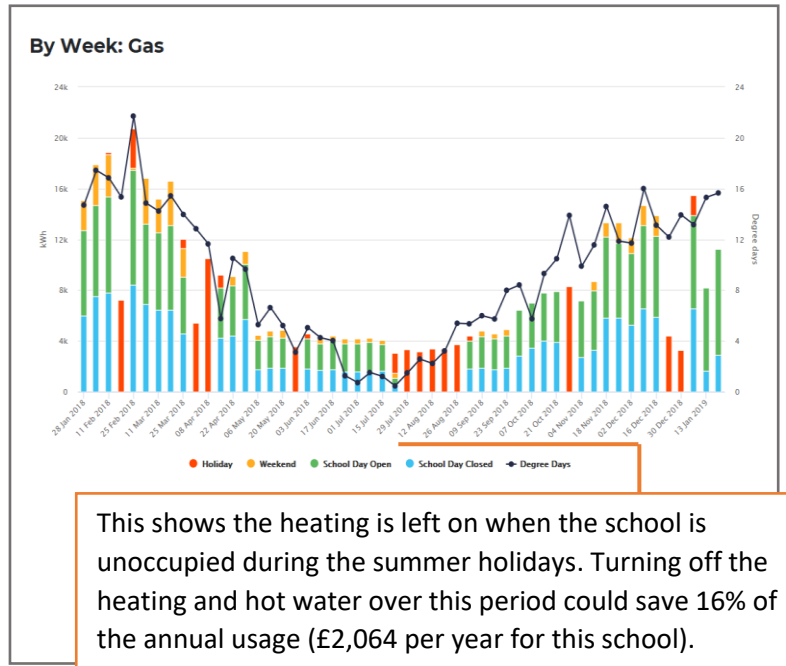
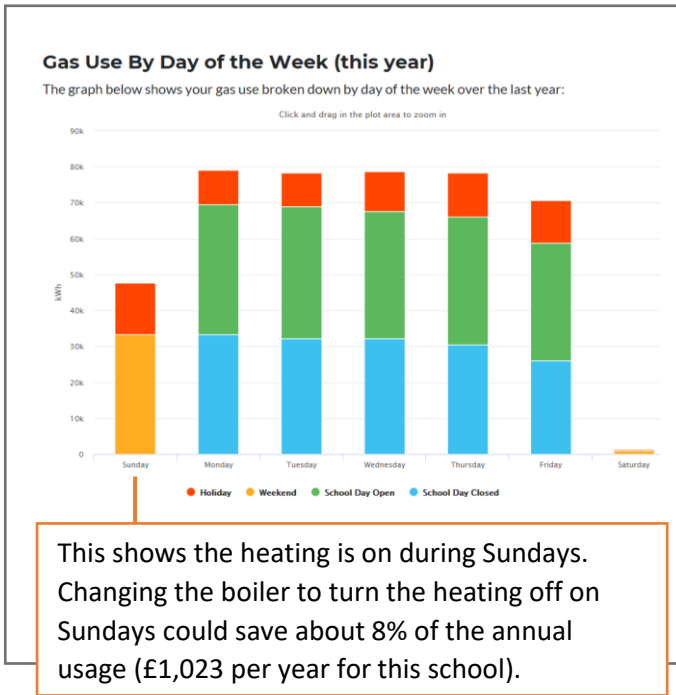
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*“The website is a great resource for adults and children with activities and data which allow children to apply their mathematical and scientific skills and knowledge.”*

Jennie Nixon, Head of School, Whiteways Primary School, Sheffield

Energy Sparks also identified further actions which, if taken, could help Whiteways Primary to further reduce their gas consumption. The possible actions highlighted by Energy Sparks include:



\*Energy Sparks is one of the innovations developed as part of the Non-Domestic Smart Energy Management Innovation Competition, led by the GB Smart Metering Implementation Programme. More information can be found here: <https://www.gov.uk/government/publications/non-domestic-smart-energymanagement-innovation-competition>.

If you have any questions about Energy Sparks please contact us: [hello@energysparks.uk](mailto:hello@energysparks.uk)

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