

Case Study

Client: St Pauls Girls School

Services provided: Net Zero gap analysis, energy management support, carbon audit, SECR

Sector: Education

Benefits achieved: The availability of high-quality data on demand means problems can instantly be identified and all progress going forward can now be measured against a base year and student-led projects can be developed and embedded in the curriculum.

Summary

The school was struggling to have accurate energy billing and therefore unable to identify potential savings in energy consumption. There was a strong drive from pupils and parents to be involved in green issues including energy and carbon reduction at school. The school appointed The Green Consultancy (TGC), a subsidiary of JRP Solutions, initially to provide energy management support and at a later stage to carry out a Net Zero gap analysis, carbon audit and SECR reporting.

Scope

TGC worked with the school to gain access to energy data, which they shared with the pupils, to see what was being used where and the immediate impact of the pupils being more considered in their approach to energy consumption.

Pupils were given access to both raw 30-minute electricity data to do their own analysis as well as profile graphs showing consumption against occupancy and operating hours and external temperature etc.

TGC then reported monthly on energy for a year. This was very useful for seeing the impact of the pandemic on energy and associated shut-down of buildings. This data also meant that regulatory reporting was painless as data could be accessed with ease.

"The team have taken on the not inconsiderable task of performing a Net Zero Gap Analysis on an independent school. There are only handful of schools that have taken on this kind of analysis, so this is fairly uncharted territory for all involved. Despite this, the results, attention to detail and professionalism have been first class." ***Christopher King, Director of Operations, St Pauls Girls School*****.**



The school wanted to extend beyond energy and commissioned a calculation of their GHG footprint aligned to the GHG Protocol Corporate Standard and Scope 3 Standard. This gave the school a much better awareness of where the emissions sat within its operations and showed that many departments had an impact on the carbon footprint as well as the

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Estates Team. This footprint was shared internally with all staff and in a condensed format with pupils and parents.

A Travel Calculator was supplied to the school so that all modes of transport for school trips could be weighed up against the carbon impacts. A calculator is available for pupils where their data is not stored so that they may look at the impact of their own personal travel choices.

As part of the carbon accounting exercise, a travel survey for the school was undertaken to a) collect data for the GHG inventory and b) to look at the modal choices of staff and pupils on the school commute.



Results

- Access to data and accurate devices on all fiscal gas and electricity supplies
- Monthly reporting on energy consumption and ensuring continued data access during supplier change
- Compilation of the carbon footprint to the GHG Protocol including actions to improve data and ways to involve students via a pupil green team



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For more information about any of JRP's services, call 0800 6127 567 or email info@jrpsolutions.com.