

Hopes Sustainability

Energy Efficiency AND Sustainability Learning Resources



Offering for UK schools

Package includes provision of equipment, insights into energy savings and growing suite of Sustainability Learning Resources

"Hopes has an innovative programme which includes unique data visibility and bespoke high-level Net Zero pathways for schools. This will inform the much needed and highly competitive funding for retrofit applications. The inclusion of lesson plans based around the captured data, means the children will be brought along their school's journey to Net Zero, making for an holistic educational approach." George Brown, Environmental Officer, London Borough of Bromley

Phase 1 of Package - initial sensors for high-level analysis:

High level monitoring of Electricity consumption for baseload analysis, plus weather station	{ 24 hour pattern usage; Confirmation of accuracy of metered billing and support to reclaim overcharging if errors are identified (up to 6 years back)
Project management	{ Baseload analysis, estimate of potential savings, access to sustainability learning project resources; Data analysis and development of data-led education resources + weather station for solar, wind and temperature analysis; Scoping document for full granularity of electricity distribution boards

Solar/PV monitoring:

Additional equipment for PV monitoring (if school has solar panels installed)	{ Confirmation of PV generation and identification of any anomalies
Gas monitoring (optional)	{ Baseload analysis and estimate of potential savings - if school has smart meters

Phase 2 Package: Additional sensors to increase granularity of insights (one off investment) and environmental insights connected to consumption analysis

Additional sensors for granularity (actual number of sensors required will be based on the scoping document analysis with a full quotation provided before any further investment is approved)	{ Detailed ongoing real-time analysis and insights to reduce wastage and improve efficiency - process and behaviour improvements
Optional Environmental Sensors (we recommend 3 sets, inc CO2, Temperature, Sound, Light)	{ For analysis of environmental conditions within the school
Environmental monitoring - annual project management	

Minimum Saving Guarantee - if Hopes is not able to identify efficiency savings insights worth at least the amount of your school's first year investment, we will reduce your Year 2 subscription by 50%

"The Bromley project has highlighted potential over-consumption of electricity and efficiency savings in one school, amounting to over 125,000 kWh p.a., equal to over £17,500 (before their increased energy tariff takes effect). To secure the savings, the next steps are to analyse specific areas where consumption can be reduced, and prepare an implementation plan that permanently reduces wastage and examines further opportunities for renewable energy installations/improvements to progress the school's Net Zero pathway."

Savings to be achieved through technology

- technical resources from the platform, including customisable reports, anomalies insights and immediate alerts for unexpected energy consumption. From the granular analysis, recommendations about time settings of equipment, options for on/off timer switches for individual appliances, potential replacement of high-energy using appliances, LED lighting if not currently installed

Savings to be achieved through behaviour improvements - staff, pupil engagement etc.

- insights will empower pupils and staff to take action, with the platform providing data to validate the impact of continued energy consumption behaviours and monitoring any drop-offs in engagement with sustainable behaviours

Learning Resources components included at no additional costs:

> Introductory webinar

> Sets of weekly learning resources, including:

Lesson Plans

Powerpoint materials

Knowledge organisers, keyword cards and vocabulary assessment

Pupil Tracking sheets

Links to additional resources about sustainability operations in real-world applications

Training videos for teacher use

Pupil Worksheets

Assessment tools

Results tables

Green career information and links

> Access to all corporate partnership sustainability resources linked to elements of the National Curriculum

> Guidance on how to set up your school's eco-team (created by David Dixon - highly experienced Head Teacher and Sustainability leader)