

Leven Valley Church of England Primary School become the first school to use Salix funding to install 30.12kW ground source heat pump



“We are a very small school... but I hope you can see that we think big and we act green.”

Ian Nicol
Headteacher at Leven Valley Church of England Primary School

Low-carbon heating at Leven Valley

Situated within the Lake District National Park, Leven Valley are a small primary school with just over 60 pupils. Over the last decade, the school have demonstrated an exemplar commitment to the reduction of carbon across their estate, to create a thermally efficient building ready for the decarbonisation of heat.

Where possible, the school have made use of natural and sustainable building materials and approaches, taking a cold, damp and inhospitable building and transforming it into a warm and welcoming learning environment. The next step for Leven Valley's carbon reduction strategy was to tackle their heating, upgrading from an oil-based system to a 30.12kW borehole ground source heat pump (GSHP).

This exciting project will see a predicted

77%
reduction

in heat-related CO₂ emissions per annum



Embracing a holistic approach

Why should you take a holistic approach to energy efficiency?

- Long-term, large-scale projects become achievable for organisations of any size
- Smooth transition to a low-carbon future
- Predicted cost savings calculated by Salix's dedicated Technical Team.
- Reinvestment of energy savings
- Despite their old building, Leven Valley's existing efficiency measures such as insulation, solar PV and LED lighting replacements have made the installation of their GSHP possible



For more information...

Please contact us on **020 3102 6900** or **schools@salixfinance.co.uk**

www.salixfinance.co.uk



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Technical breakdown

- In this case, a GSHP was the most robust, long-term approach for minimising carbon emissions and was an ideal replacement for the school's oil-based heating system
- The GSHP can access online weather and climate data, track heat usage and monitor solar electricity generation to optimise the system's efficiency, keeping costs to a minimum and maximising the use of renewable energy



Project fully-funded by **Salix**



Annual carbon cost effectiveness of **£5,110** per tonne of CO₂



“The buildings have become part of our educational ethos, values and provision and work in sympathy with our location within the Lake District National Park.”

Ian Nicol

Headteacher at Leven Valley Church of England Primary School

Leven Valley Primary were able to schedule their project over the summer holiday to avoid any disruption to teaching.

Available resources and support

- Interest-free funding for schools to fully or part-fund projects
- Multiple projects can be combined into one application to allow for one overall payback period
- Delivery and strategic support
- Access to Salix's extensive free knowledge share area exclusively for the public sector
- Dedicated Salix contact throughout each stage of the process

Five steps to apply for the Salix Energy Efficiency Loan Scheme:

Five steps to apply:

1. Visit the Salix website, salixfinance.co.uk/loans
2. Complete the application form and compliance tool with your details
3. Upload the compliance tool along with any additional supporting information and submit your application online
4. An automated email is sent to the authorising official for approval and the loan application is assessed by Salix in-house technical experts
5. Application is assessed and funding typically approved within 2 weeks

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