



## Turbine Services (wind-hydro) Ltd.

Turbine Services (wind-hydro) Ltd advises, supplies, installs and services small scale wind & water turbine systems, suitable for domestic and commercial/public situations. The company works throughout the UK.



During Green Build Fortnight, Turbine Services gave presentations about two of the many installations they have done in Cumbria, their own local area: Derwentwater Youth Hostel and Cockermouth School.



**Micro-hydro** - Derwentwater Youth Hostel,  
Barrow House, Borrowdale, Keswick



**Wind turbine** - Cockermouth School

Director, Miles Postlethwaite, explained the basic principals and practicalities of using small scale wind and hydro power systems, how they can be used alongside the national grid and also in remote off-grid locations.

At both sites, visitors were able to see the turbines working. They heard about how Turbine Services determined appropriate specifications for the systems, and then undertook the installations.

Hydro and wind turbines can produce electricity to be consumed direct or fed into the national grid thereby offsetting its grid demand. A suitably sized and sited turbine can provide significant renewable energy, reducing (or eliminating) energy bills and dramatically reducing the carbon footprint of an organisation/building.

The electricity generated can easily be monitored. Turbine Services can provide eye-catching electronic displays showing the output of renewable energy systems, whether involving just one technology or a range of renewable energy generators. These are particularly beneficial at 'public' locations. At the Cockermouth





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School site, for example, there is a prominent bespoke display showing the performances of the wind turbine, the solar panels and the ground source heat pump. The display provides information on how much power is produced and how much Carbon Dioxide is saved (compared with using fossil fuels).

Turbine Services Ltd. have also installed a small wind turbine (2.5kW) at St Gregories and St Patrick's School in Whitehaven.

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