

Chew Valley Comprehensive School

Turbine Size: Proven 6kW

Tower: 15m painted green

Wind regime: Good

Approx annual output: 8,000kWh

Sector: Education

Grants/ Funding: The Low Carbon Buildings Programme (LCBP) Phase 2



Challenge

Chew Valley Comprehensive School is committed to the environment. The school wanted to lower their carbon footprint and educate its students and local community on the benefits of renewable energy. Before moving forward with this initiative planning permission was sought and obtained from Bath and North East Somerset.

Solution

The school wanted maximum visual impact of becoming more eco-friendly and opted to install a Proven Energy wind turbine. The Proven 6 was recommended and installed by Aeolus Power, a reseller for Proven Energy. **25% grant funding was secured by British Gas, Framework Supplier under the Low Carbon Buildings Programme (LCBP) Phase 2.**

Benefit

The school is producing 'green electricity' supplied by the Proven 6 wind turbine. The turbine has the potential to yield 8,000kWh annually which will lower its carbon footprint.

Staff, pupils, parents and the local community will learn more about the benefits of renewable energy. Software and a display screen have been installed to show the electricity generated at the present time, since installation, school electricity use and CO2 savings. The school has also organised an Eco Week focusing on energy efficiency within the school.

Besides generating electricity and reducing the school's energy bills, the turbine also provides funding for the school in the form of ROC's. It can generate enough electricity to earn approximately 8 ROC's per year. This will mean that the school will have access to £400 which will be ploughed back into Eco saving schemes.