



Case Study - Spa Hill Wind Turbine

Spa Hill - Harnessing the power of the wind!

Spa Hill Allotment Society are now generating the majority of their electricity with a 2.5kW wind turbine. The exposed site, on the side of Crystal Palace Hill, regularly experiences strong winds that help make the installation worthwhile. The Renewable Energy Action for London (REAL) initiative secured 100% funding for the turbine from EDF Energy's Green Fund (£8,000) and from the government's Clear Skies programme (£7,363).

Tackling climate change

The 2.5kW system, mounted on an 11m mast, is expected to generate 5,000kWh of electricity per annum for use on the allotment or for sale to the National Grid. It is estimated that the turbine will result in over 2 tonnes of carbon dioxide emission savings each year.

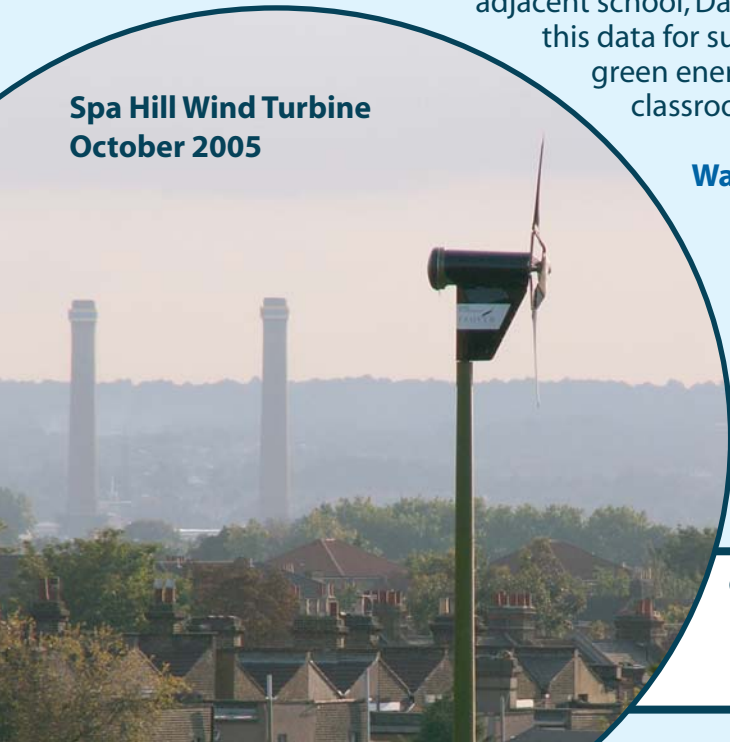
Leading the way

Mayor of London, Ken Livingstone, has outlined what he believes London must do to meet its own energy targets. This includes "500 small wind generators associated with public or private sector buildings" before 2010.

With one of the first small scale wind turbines in London, Spa Hill is setting an example to the whole community by showing that it is possible to use commercially available technology to reduce our dependence upon fossil fuels, to cut energy bills and to help meet national and local targets for renewable energy and greenhouse gas emissions.

A display unit is being used to monitor energy production. An adjacent school, David Livingstone Primary, is able to use this data for sustainable energy projects, bringing green energy out of the air and into the classroom.

Spa Hill Wind Turbine
October 2005



Key Points

Technology
2.5kW grid connected
wind turbine

Funding
100% secured through
EDF Energy and Clear Skies

Collaborators
Spa Hil Allotment Society
REAL
Cholwell Energy Systems

Want to know more?

Residents and community groups can seek support for installing renewable energy in homes or public buildings by contacting the REAL project team on 020 8683 6683.



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