

Spring – Summer 2012 Newsletter



Talybont-on-Usk Energy (ToUE) is a not-for-profit community enterprise, which has a 36kW hydro electric turbine. The electricity generated is sold to Good Energy and the income is invested in energy saving projects in Talybont, Aber, Pencelli, Scethrog & surrounding areas.

ADMIN/COMMUNICATION  
 WORK (PART TIME)

Talybont Energy is looking for someone with initiative, good people skills, flexibility and a strong interest in environmental issues to work on a contract basis 1/2day a week helping the Board of Directors with the following tasks:-

- Keeping website and blog up to date.
- Checking and responding to emails sent to Talybont Energy.
- Attending monthly Board meetings and covering relevant actions which arise.
- Work once a month from Talybont Cafe
- Keeping the Directors informed of Welsh Environment events, issues and projects.
- Communicating Talybont Energy activities locally (including preparing newsletter).
- Initiating and helping run Talybont Energy projects.

Starting July 1<sup>st</sup> 2012. Pay negotiable depending on skills and experience.

Please send expression of interest to [info@talybontenergy.co.uk](mailto:info@talybontenergy.co.uk)



Talybont Energy has developed an educational presentation aimed at Key Stage 2, year 4/5's. Free to local schools, it includes looking at:

- Sustainable energy
- How a electric water turbine works
- A local community project and group

Talybont Energy has delivered the presentation in several local schools now and most recently spent a very enjoyable morning in Brecon at Ysgol Penmaes School. The morning started with a classroom presentation including photos and the model turbine. The children then left the classroom and went into the playground to see the electric community car 'Bluebell' and the B-Bug 'Boris'. There was also an opportunity for the children to be driven in the vehicles, which provoked much laughter. Thanks to everyone who made a very memorable visit happen.



## Henderson Hall PV

The 4kW photo-voltaic (PV) panels Talybont Energy installed on the roof of Henderson Hall have just completed their first year of operation. In that time they generated over 3700 kWh of electricity, which is about 3/4 the average electricity consumption of a UK house that doesn't use electricity for heating. It is also enough for about 9000 miles in Bluebell, the community car club's electric car, which recharges at Henderson Hall. The hall is ideally situated for PV, since it faces very nearly due South, and is not shaded by surrounding hills.



The electricity generated - and you can read the panel in the hall foyer to see how the panels are doing - is fed onto the grid where it (and all the other PV panels around the country) reduce the amount of our electricity that has to be produced by coal and oil-fired power stations. That means a reduction in the net amount of carbon dioxide these power stations add to the atmosphere, and in the first year this amounted to about 2 tonnes of CO<sub>2</sub>, or more than two thirds of the annual emissions of a petrol or diesel car.

The government and power companies subsidise renewable energy to stimulate investment in technology and meet international obligations. The subsidy comes in the form of a feed in tariff of (currently) 43p per kWh generated. The power company also pays Henderson Hall just over 3p per kWh for the electricity it exports to the grid, and any electricity used when the panels are producing doesn't need to be imported from the grid producing a saving on the hall's electricity bill. This should mean that the entire 3700kWh generated will be knocked off the hall's electricity bill. When added up, therefore, the revenue and bill savings in our first year could amount to about £2,000. The feed-in-tariff goes up in line with inflation for the 25 years the scheme lasts.

**Advance Date for your Diaries — The Talybont Energy AGM will be on Tuesday the 17th of July at 7.30pm in Henderson hall**



**Contact us:** [info@talybontenergy.co.uk](mailto:info@talybontenergy.co.uk)  
**View us at:** [www.talybontenergy.co.uk](http://www.talybontenergy.co.uk)  
**Find us at:** The Talybont Cafe in the morning of the last Thursday in the month

