

## Western Bio Energy Ltd - Biomass Power Plant

### Who's involved?

**The Wales Environment Trust** and Western Bio Energy Ltd

### Background.

This project will install, commission and operate a state-of-the-art, advanced combustion 10MW biomass power plant at land adjacent to the BOC Works, Longlands Lane, Margam. The project will be delivered by Western Log Group Ltd and Eco2 Ltd, which has formed a new company under the name Western Bio Energy Ltd specifically for this scheme.

The site will cover 2 hectares consisting of the power plant, wood chipping and storage facilities and vehicle manoeuvring areas. An annual output of more than 80 million kWh of electricity will be generated. This 'green' electricity will be connected directly into the local distribution network for consumption in the Port Talbot locality. The electricity generated by the plant will be enough to power approximately 25,000 homes accounting for 57,500 local people benefiting from supply of electricity produced by biomass.

Biomass is a renewable source of energy and therefore the plant will increase the proportion of clean energy produced in the area. The scheme will make a substantial reduction in overall carbon dioxide output, and its consumption of over 160,000 tonnes per year of Welsh forestry wood and clean saw mill residue will encourage economic development in rural areas as part of the 'supply side' industries. Western Bio Energy Ltd will enter into a long term wood supply agreement with Forest Enterprise and a similarly long-term agreement for sale of electricity to a licensed electricity supplier to provide the security needed to successfully operate a project of this nature.

The project aims to lead the way as the first commercial scale biomass power plant in Wales. It will serve as a flagship project to champion biomass energy in the UK, creating and safeguarding jobs locally.

### Working with the Trust.

The Wales Environment Trust has been assisting Western Bioenergy Ltd in the sourcing of clean wood biofuels to co fire their new biofuel plant currently under construction at Margam, Port Talbot. Opportunities have been identified by the Trust in the green biodegradable material streams arising in the municipal waste sector, as having potentially simple diversion and subsequent energy recovery from the plant.

**Achievements.**

- Sourcing of clean wood biofuels to co fire the new biofuel plant.

**Contact details:**

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