

# Pen y Cymoedd Wind Energy Project

Laying Foundations

“The long term effects must be positive – we need to be thinking ahead”

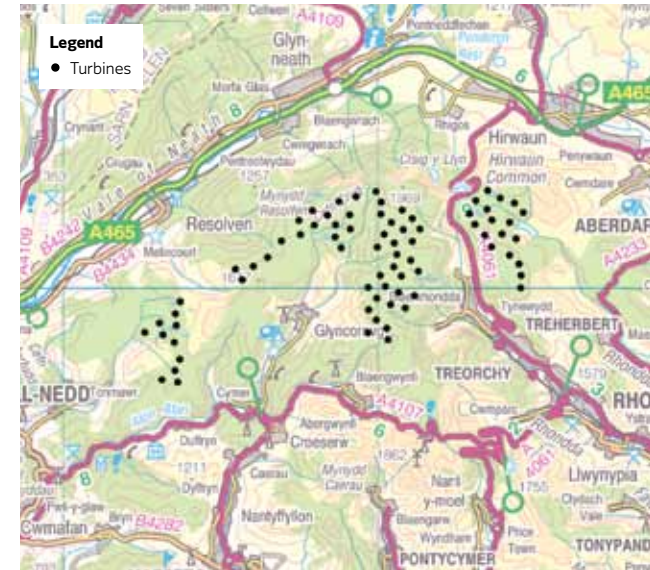
(local resident)



# Pen y Cymoedd Wind Energy Project

## Delivering our Commitments

Once built, Pen y Cymoedd will be the largest onshore wind energy project in England and Wales. The project is located on the Welsh Government’s Woodland Estate, which is managed by Natural Resources Wales.



Project Facts and Figures:	
Number of turbines:	76
Installed capacity:	228MW
Location:	Neath Port Talbot and Rhondda Cynon Taff County Boroughs, South Wales
Current Status:	In construction
Length of onsite access tracks:	80km
Length of onsite cabling:	80km
Onsite borrow pits to source aggregate:	7
Onsite grid infrastructure:	1 substation and control building
Met masts:	4

## Overview of the construction programme:

**February 2014 – 2016:** Civil and electrical works, including construction of the site welfare compound, site access tracks, turbine foundations, crane pads, underground cabling, and substation

↓ **Late 2015:** Turbine deliveries, civil works continue

↓ **Early 2016:** Turbine installation expected to begin

↓ **Late 2016:** The wind farm is commissioned

→ **Early 2017:** Project completion



## Maximising the value of the project to the local economy



### What was done

- ↓ Sessions for local businesses with the main contractors
- ↓ Requirements written into all contracts to maximise use of local companies and workers
- Regular monitoring across all activities

### Project Facts and Figures

- ↓ 200 jobs supported during tree clearance phase
- ↓ Grid connection cables will be manufactured in Wales
- ↓ Two thirds of workers will be recruited locally
- £20m invested in Wales through the project in 2013

**Charlie Jukes**  
Spencer ECA



South Wales-based Spencer ECA secured a contract during the tree clearance phase, carrying out roadside tree clearance works and mulching at turbine locations.

*"Being a local company, we obviously hope to be part of the ongoing work at Pen y Cymoedd. We'd like to be a part of the post construction work. Landscaping is another one of our skills, so we'll also be seeking the opportunity to assist with this towards the end of the project."*

**Iain Hall**  
Nitelite Security



Nitelite Security secured a contract for the tree clearance and construction works at Pen y Cymoedd.

*"This is a very large project, and there'll be a lot of machinery to keep safe. Working so close to my house is nice as it means I'm able to spend more time at home. On fine days we do get a lot of walkers and cyclists up here, enjoying the public footpaths."*



## Pen y Cymoedd Turbine Technician Apprentices



Michael Leach, 28



Adam Evans, 18



Corey Dunn, 19

In September 2012, after applications from 150 young people and an intensive assessment day at Treorchy Comprehensive, four apprentices were selected to start a three year training programme to become wind turbine technicians.

The apprentices are working for local company ISO Fab, in a scheme which is being funded by Vattenfall.

*"It was a challenge for me to go back to college, but knowing the prospects and opportunities offered it was something I was very excited about. The college course was well organised and offered a few challenges for me. Overall I am very happy and proud of what I have already achieved."*

*Mike Leach*

## Commitment to local supply chain

Throughout the development of the project Vattenfall has committed to working to maximise opportunities for the local supply chain.





## First year of four in construction

**£45m**  
total contract  
value with Wales  
business to date

### Facts:

**Company:** Prysmian

**Location:** Wrexham

**Workers:** 350

**Product:** Cable manufacture

**Other Information:** Supplier to ABB

**51**  
companies  
in Wales  
supported

### Facts:

**Company:** Vattenfall

**Location:** Cardiff

**Workers:** 200 Welsh jobs supported in 2013

**Product:** Tree clearance and site investigation

**Other Information:** Contracts were awarded through Natural Resources Wales, Natural Power – and included a number of sub contracts such as Spencer ECA

### Facts:

**Company:** Balfour Beatty Utility Services South Wales

**Location:** Cardiff

**Workers:** 204

**Product:** Cable design and installation

**Other Information:** Contracted by ABB

**600+**  
jobs in Wales

### Facts:

**Company:** Dawnus Construction

**Location:** Swansea

**Workers:** 39

**Product:** Civil Engineering

**Other Information:** Contracted by ABB

### Facts:

**Company:** Express Reinforcements Ltd

**Location:** Neath, Neath Port Talbot

**Workers:** 181

**Product:** Steel fixings for foundations

**Other Information:** Sub-contractor to Jones Bros/Balfour Beatty

### Facts:

**Company:** Jones Bros/Balfour Beatty Joint Venture

**Location:** Ruthin/Cardiff

**Workers:** 52 (excl. contracting companies)

**Product:** Cable manufacture

**Other Information:** 21 contractors and suppliers from Wales



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