

# Castle Pill Wind Farm



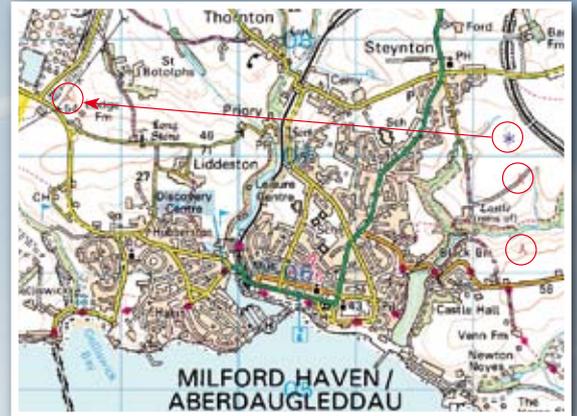
## Community Update

harnessing the power of nature

### New wind turbines for Castle Pill Wind Farm

**This month construction works start on three state of the art wind turbines at Castle Pill Farm in Steynton. With this leaflet, wind developer Infinergy would like to keep you informed on plans and progress.**

For many local residents it will be a familiar sight: the wind turbine at Castle Pill Farm in Steynton, along the road from Milford Haven to Waterston. This turbine has been there since 2004, generating clean and green electricity from wind power. Recently, Infinergy has obtained the go ahead to increase the electricity output from this site and build 3 new wind turbines. The existing one will be replaced and relocated to the west, as shown on the map to the right.



NOTE - Reproduced from the Ordnance Survey Map with the permission of the Controller of H.M. Stationery Office. © Crown copyright licence number 150000079 Infinergy Ltd. NOTE - Published for the purpose of identification only and although believed to be correct accuracy is not guaranteed



New view from road to Waterston



New view from railway crossing

### Castle Pill Wind Farm

- The generating capacity of the wind farm will be increased from 0.5 megawatts (MW) to 3.2 MW.
- The three new turbines, 900 kilowatts (kW) each, are manufactured by EWT of the Netherlands and new to the UK. They are direct drive models. Direct drive is popular for being the quietest technology in the industry today, making the turbines quieter than the ones with a gearbox in the hub.
- The turbines will have a maximum blade tip height (blade in vertical position) of 76 metres. The hub, the highest static point of the turbine, will be up to 50 metres.
- Apart from the turbines, the project will comprise an electrical substation, access tracks and a temporary anemometry mast to measure wind speeds and direction on site.



EWT turbine model

## Timeline

Beginning Dec 2008	Mid Dec 2008	End of Dec 2008	Jan - Feb 2009	Mid 2009
Construction of access tracks, underground cabling	Pouring of turbine foundations. Shipping of turbine compartments to Milford Haven	Christmas break, no construction vehicles and / or activities expected on and to the site	Erection of turbines	Wind farm fully operational

## Benefits

- The increase in capacity will allow the new wind farm to generate enough clean electricity to supply the annual demand of just over 1700 households every year\*.
- This wind farm will annually replace between 3100 and 7300 tonnes of the greenhouse gas CO<sub>2</sub>,\* depending on whether the power it replaced was generated by gas or by coal.  
\*Source: BWEA

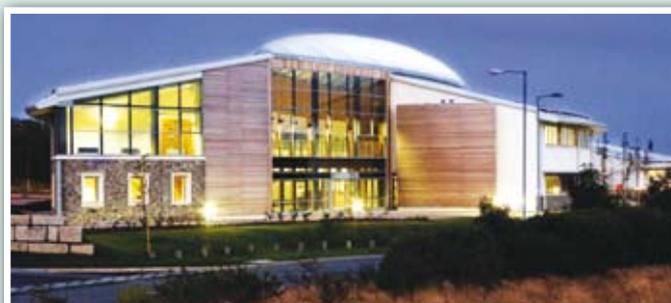


Chris Gould, Infinergy's Project Manager comments:

Climate change is the greatest environmental challenge facing the world today. As part of its drive to combat climate change, the Welsh Assembly Government has developed a 'Renewable Energy Route Map' and envisages Wales generating all of its electricity from renewable sources by 2028. With this wind farm we can make a contribution to meeting that target.

## Infinergy

Infinergy is a renewable energy company, developing onshore wind farms throughout the UK. Infinergy owns Castle Pill Wind Farm's operating company NIK Energy and recently moved into the Technium in Pembroke Dock, being the first tenant to set up an office there. It's the company's first step into Wales, having built up a project portfolio in England and Scotland. At the moment, Infinergy is also developing Wear Point Wind Farm at the Sem Logistics site in Waterston. For more information, see [www.wearpointwindfarm.co.uk](http://www.wearpointwindfarm.co.uk) and [www.infinergy.co.uk](http://www.infinergy.co.uk).



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