

ecotricity

Bambers Farm II, Lincolnshire

In October 2004 we built eight new wind turbines at Bambers Farm in Lincolnshire with a combined capacity of 4.8MW. That's enough green electricity to power over 4,000 homes.

The electricity from six of the wind turbines has been allocated to Co-operative Bank and CIS Ltd (CFS) to supply their offices throughout the UK, in a ground-breaking long term power purchase agreement. This 'off-site' Merchant Wind Power deal guarantees that CFS will save around £250,000 over the lifetime of the contract.

The turbines will produce over 13 million units of electricity each year and stop the emissions of over 11,000 tonnes of carbon dioxide every year.



Project Details

Site address: **Bambers Farm, Mile Lane, near Mablethorpe, Lincolnshire**
Installed: **October 2004**
Turbines: **8**
Capacity: **4.8MW**

Annual electricity output

Generation: **13 million Kwh**
Equivalent to: **4,014 homes**
Blade rotation: **18 – 34rpm (depending on wind speed)**

Turbine Dimensions

Hub height: **65m**
Rotor diameter: **44m**
Blade length: **22m**

Annual emissions savings

Carbon dioxide (CO₂): **11,392 tonnes**
Sulphur dioxide (SO₂): **132 tonnes**
Nitrogen oxide (NO_x): **40 tonnes**