

# ecotricity

## Conisholme Fen, Lincolnshire

On course to be our biggest wind park to date, twenty state-of-the-art wind turbines, capable of powering over 13,000 local homes, are set to be built later this year.

The planning application to build 20 wind turbines at Conisholme Fen in Mablethorpe, Lincolnshire was approved in October 2005. The decision marks the end of a four year struggle to get approval for the wind power project.

The project will feature twenty new turbines, each standing 65-metres high and will generate an extra 43.5 million units (kWh) of green electricity every year.



### Project Details

Site address: **Fen Farm, near Conisholme, Lincolnshire**  
Approved: **October 2005** (Due to be completed during 2006)  
Turbines: **20**  
Capacity: **16MW**

### Annual electricity output

Generation: **over 43 million units each year**  
Equivalent to: **13,223 homes**  
Blade rotation: **16 – 32rpm (depending on wind speed)**

### Turbine Dimensions

Hub height: **65m**  
Rotor diameter: **48m**  
Blade length: **22m**

### Annual emissions savings

Carbon dioxide (CO<sub>2</sub>): **43,965 tonnes**  
Sulphur dioxide (SO<sub>2</sub>): **516 tonnes**  
Nitrogen oxide (NO<sub>x</sub>): **153 tonnes**