

# ecotricity

## Swaffham II, Norfolk

Construction of Swaffham's second wind turbine was completed in July 2003. Standing 85m high, it was the UK's tallest onshore wind turbine at the time and was **built at the request of local residents**.

This is the second turbine to be sited at Swaffham and combined with the first turbine, erected in 1999 at the Ecotech Centre, will supply 75% of Swaffham's total home electricity requirements, boosting Norfolk's total wind power by 30%.

In autumn 2003 we mailed over 100,000 leaflets to households in Breckland and surrounding districts asking residents to vote Yes or No to local wind turbines. The feedback was fantastic with around 89% of the almost 9,000 respondents voting a big Yes to wind power.



### Project Details

Site address: **Sporle Road, Swaffham, Norfolk**  
Installed: **July 2003**  
Turbines: **1**  
Capacity: **1.8MW**

### Annual electricity output

Generation: **over 4 million units each year**  
Equivalent to: **1,258 homes**  
Blade rotation: **10 – 20rpm (depending on wind speed)**

### Turbine Dimensions

Hub height: **85m**  
Rotor diameter: **70m**  
Blade length: **32m**

### Annual emissions savings

Carbon dioxide (CO<sub>2</sub>): **3,500 tonnes**  
Sulphur dioxide (SO<sub>2</sub>): **36 tonnes**  
Nitrogen oxide (NO<sub>x</sub>): **10 tonnes**