

**Lotus, Norfolk**



**ecotricity**

**We have now submitted an exciting planning application to construct three turbines for Group Lotus Plc under our Merchant Wind Power scheme.**

The plan is to build three state-of-the-art wind turbines at the Lotus headquarters in Hethel, Norfolk. These turbines will generate enough green energy to power over an estimated 5,000 homes.

The UK urgently needs to change where our energy comes from, and the concrete benefits of this groundbreaking project include the saving of the annual emission of over 15,000 tonnes of carbon.

Ecotricity's Merchant Wind Power scheme is an innovative way for large companies to secure onsite renewable power for their business sites at significantly reduced rates.



### **Project Details**

Site address: **Lotus Manufacturing Site, Hethel, Norfolk**  
In planning: **June 2007**  
Turbines: **3**  
Capacity: **6W**

### **Annual electricity output**

Generation: **approximately 17.3 million units each year**  
Equivalent to: **up to 5,248**  
Blade rotation: **10 – 22rpm (depending on wind speed)**

### **Turbine Dimensions:**

Hub height: **78m**  
Rotor diameter: **82m**  
Blade length: **41m**

### **Annual emissions savings**

Carbon dioxide (CO<sub>2</sub>): **15,431 tonnes**  
Sulphur dioxide (SO<sub>2</sub>): **263 tonnes**  
Nitrogen oxide (NO<sub>x</sub>): **71 tonnes**