

# ecotricity

## **Sainsbury's, East Kilbride, Scotland**

The East Kilbride wind turbine is the first of Ecotricity's unique Merchant Wind Power (MWP) initiatives.

Built without subsidy and supplied without a premium, our MWP is a pioneering concept whereby customers buy the electricity generated from 'on' or 'off-site' wind turbines built, owned and operated by Ecotricity. MWP provides an economic and commercially viable source of renewable power for organisations with an environmental agenda.

The turbine was installed at Sainsbury's Distribution Centre in March 2001 and provides at almost half of the electricity required by the cold storage depot, which operates 24 hours a day, seven days a week.



### **Project Details**

Site address: **Sainsbury's Distribution Centre, Langlands Park, East Kilbride, Scotland**  
Installed: **March 2001**  
Turbines: **1**  
Capacity: **600KW**

### **Annual electricity output**

Generation: **over 1 million units each year**  
Equivalent to: **576 homes**  
Blade rotation: **18 – 34rpm (depending on wind speed)**

### **Turbine Dimensions**

Hub height: **65m**  
Rotor diameter: **44m**  
Blade length: **21m**

### **Annual emissions savings**

Carbon dioxide (CO<sub>2</sub>): **1,645 tonnes**  
Sulphur dioxide (SO<sub>2</sub>): **19 tonnes**  
Nitrogen oxide (NO<sub>x</sub>): **6 tonnes**