

ecotricity

Michelin Tyre Factory, Dundee, Scotland

The UK's largest corporate wind energy project is now complete at Michelin's Dundee tyre plant. The two 2MW turbines were assembled and commissioned in May 2006 after formal approval was given by the city council in September 2005.

The 4MW will generate around 8 million Kwh of clean electricity every year. The ambitious partnership scheme between green energy pioneers Ecotricity and Michelin will cover around a third of the energy needs of the huge factory.

The electricity generated from the two turbines will also go into the local grid to supply hundreds of local homes in the area.

Following hard on the heels of Ford's clean diesel plant at Dagenham, this latest project represents another milestone in Ecotricity's partnership schemes with big business.



Project Details

Site address: **Michelin Tyre PLC, Baldovie Road, Dundee**
Built: **May 2006**
Turbines: **2**
Capacity: **4MW**

Annual electricity output

Generation: **over 8 million units each year**
Equivalent to: **2,242 homes**
Blade rotation: **6 – 22rpm (depending on wind speed)**

Turbine Dimensions:

Hub height: **85m**
Rotor diameter: **71m**
Blade length: **35m**

Annual emissions savings

Carbon dioxide (CO₂): **7,282 tonnes**
Sulphur dioxide (SO₂): **122 tonnes**
Nitrogen oxide (NO_x): **33 tonnes**