

ecotricity

Ford Clean Diesel Factory, Dagenham, London

In April 2004 we completed construction of London's first wind park at Ford Motor Company's Dagenham site.

The two 85m high wind turbines, with a combined capacity of 3.6MW, generate over 6.7million kWh of clean electricity every year, providing all the electricity needed to power Ford's new Dagenham Clean Engine Facility. This is enough electricity to power over 2,000 homes (nearly 7 million units per annum). This means that all Ford's and Jaguar's diesel engines assembled at the plant are produced from wind power supplied by Ecotricity.

Visible from the London Eye and located only 10 miles from the City of London, the development will create a major new Thames-side landmark for the capital and will make a key contribution to the renewable energy targets outlined in the Mayor's draft energy strategy - preventing the emission of up to 6,000 tonnes of carbon dioxide every year.



Project Details

Site address: **Ford Dagenham Estate, Dagenham, London**
Installed: **April 2004**
Turbines: **2**
Capacity: **3.6MW**

Annual electricity output

Generation: **6.7 million units each year**
Equivalent to: **over 2,000 homes**
Blade rotation: **10 – 22rpm (depending on wind speed)**

Turbine Dimensions

Hub height: **85m**
Rotor diameter: **70m**
Blade length: **35m**

Annual emissions savings

Carbon dioxide (CO₂): **5,762 tonnes**
Sulphur dioxide (SO₂): **67 tonnes**
Nitrogen oxide (NO_x): **20 tonnes**