



Sheringham Shoal Offshore Wind Farm

This wind farm is a Round II site located in the Greater Wash, between 17 and 23 km offshore from the Norfolk coastal town of Sheringham.

Comprising a total of 88 wind turbines and with an installed capacity of 315 MW, it will produce about 1.1 TWh each year, or enough green energy to power almost 220,000 British homes.

Offshore the project includes the installation of two substations while onshore it will comprise the construction of a 21.6 km underground 132 kV cable and a new substation at Salle.

Project status

Offshore the project has received Section 36 Consent from the Department for Business, Enterprise and Regulatory Reform, and a license from the Marine and Fisheries Agency. Installation work will start in 2010, and completion is scheduled for late 2011.

Siemens will supply the 3.6 MW turbines for the project, MT Højgaard a/s will supply the foundations and the onshore and offshore substations will be supplied by AREVA T&D.

Onshore, the project has received the three planning permissions required to construct and operate the grid connection to join the wind farm to the electricity distribution network. Grid agreements have been signed with EDF Energy and NGT for the connection of the wind farm to both the regional and national grids. Initial works will begin by spring this year.

The Sheringham Shoal Offshore Wind Farm is owned jointly by StatoilHydro (50%) and Statkraft (50%) through Scira Offshore Energy Ltd. StatoilHydro is responsible for the development of Sheringham Shoal.

Key facts:

- 315 MW of capacity
- Located off the coast of Norfolk, England
- Covers an area of approximately 35 km²
- 88 wind turbines, each with a capacity of 3.6 MW, will supply some 220,000 homes with clean energy
- Turbine blade length 52 metres (170 feet)
- Turbine tower height 80 metres (262 feet)
- Wind turbines are placed on foundations on the seabed
- Two offshore substations
- Two 132 kV marine cables to come ashore at Weybourne
- 21.6 km underground cable will connect the wind farm to the National Grid at a new substation near Cawston

