THANET OFFSHORE WIND FARM

Warwick Energy is very pleased to be leading plans to develop the Thanet Offshore Wind Farm project. This development will not only make a significant contribution to the UK's efforts to reduce greenhouse gas emissions and the effects of global warming, but we hope that it will also bring benefits to the local economy. We are grateful for the widespread support and encouragement we have already received from all sections of the community in northeast Kent. We hope that you will continue to support our efforts on this project.

Mark Petterson Executive Director, Warwick Energy Limited

BACKGROUND

Thanet Offshore Wind Limited (TOW), is a subsidiary of Warwick Energy Limited, and was formed to develop the offshore wind farm project at Thanet. Warwick's previous experience includes the Barrow Offshore Wind Farm off Morecambe Bay, which has successfully gained consent and is currently being constructed.

The Government's energy strategy includes a target to generate 10% of the UK's electricity needs from renewable sources by 2010. Currently, the UK generates only 3% of its electricity from renewable sources. The development of offshore wind farms is key to the Government's targets and the nation's security of electricity supply.

If consent is successfully obtained for this project, then the Thanet Offshore Wind Farm could be operational by the end of 2007.

"Climate change will have a devastating impact unless urgent action is taken to boost the contribution of renewables.....we believe wind power is a critically important part of the overall energy mix" Jonathon Porritt, Chairman, Sustainable Development Commission





THANET OFFSHORE WIND FARM

PROPOSED SITE LOCATION AND CABLE ROUTE

An Environmental Impact Assessment is being prepared for the development and studies have been undertaken to determine the effects on the local environment, including:

- Nature conservation and marine ecology
- Seabed geology and oceanography
- Coastal processes and sediment transport
- Ornithology
- Fish, shellfish, and marine mammals
- Commercial fisheries
- Seascape and visual character

- Shipping and navigation risk
- Aviation
- Marine and terrestrial archaeology
- Tourism and recreation
- Socio-economic environment
- Transport and access
- Noise and vibration

The scope of these studies has been agreed with the appropriate government and environmental bodies and subsequently, the proposed wind farm site and cable route have been developed, as shown below.



Thanet Offshore Wind Ltd

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WHAT WILL THE WIND FARM LOOK LIKE?



Margate Harbour Wall



Broadstairs Promenade





Wellington Crescent, Ramsgate



Deal Pier





THANET OFFSHORE WIND FARM

LOCAL BENEFITS

A range of potential benefits may accrue to the east Kent area from this development, including:

- Capital cost of the project in excess of £300m. A significant proportion of this could be spent locally with potential benefits for local suppliers and services.
- Local contractors and workers are currently being used in support of the development process.
- An assembly base will be needed during the construction period. Up to 200 workers will be required, some of whom could be provided locally.
- A local maintenance facility will be needed during the 40 year operational life of the wind farm. Up to 20 skilled positions will be required, many of whom could be provided locally.
- Tourism may be boosted. Many visitors have been attracted to both onshore and offshore wind farm developments in the past.
- Making a significant contribution towards the South East's renewable targets to help tackle the problems of climate change.

VITAL STATISTICS

- One of five potential offshore wind farms in the Thames Estuary Strategic Environmental Area
- The wind farm would be located in water depths of 20-25m and cover an area of 35km²
- Up to 83 turbines generating a total of 300MW_e of renewable electricity, enough to power 240,000 homes
- The nearest turbine would be located approx 12km north east of Foreness Point
- Each turbine would be up to 150m tall at its highest point, with a minimum clearance above sea level of 22m
- The distance between turbines would be approx 500m along rows and 800m between rows
- The application for consent to construct and operate the wind farm will be submitted in September 2005
- The award of consents will hopefully be achieved by July 2006
- Construction could commence in March 2007
- The wind farm may become operational in October 2007

For further details please contact: The Project Manager, Thanet Offshore Wind Limited, Wellesbourne House, Wellesbourne, Warwick CV35 9JB

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