



A photomontage of the proposed Goole Fields II Wind Farm, and the consented Goole Fields Wind farm from Castle View Farm.

# Introducing Goole Fields II Wind Farm

RWE npower renewables is investigating the potential for a wind farm on a site approximately 2km south of Old Goole, in east Riding of Yorkshire Council district.

The site boundary covers an area of approximately 4.4km<sup>2</sup> and lies immediately to the west of the consented Goole Fields Wind Farm.

Wind power is an essential part of the UK's commitment to tackling climate change and investigations that we have carried out so far show this site could, potentially, make an important contribution towards reducing greenhouse gas emissions.

Each and every potential wind farm site is different and there are always a whole host of issues to be assessed. We undertake feasibility assessments which include assessing potential noise, ecology studies, landscape and hydrology impacts.

Whilst the benefits of wind energy are recognised as contributing to reducing global carbon emissions, we do appreciate that wind farms can have a local affect.

As a responsible developer, RWE npower renewables talk to a wide range of people and organisations about the potential site. We consult with parish councils, the local planning authority and local politicians. We also consult organisations such as The Environment Agency, the Royal Society for the Protection of Birds, Natural England and the Ministry of Defence in order to ensure we have specialist knowledge on the site.

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## Public exhibition dates and venues

We invite everyone to attend the exhibitions where information about the proposed Goole Fields II Wind Farm will be on show.

You will be able to look at visual representations of how the wind farm will appear from key viewpoints in the local area. You will also be able to make comments and discuss the proposed wind farm with RWE npower renewables employees. Any comments will be considered when drawing up the final design of the proposed wind farm.

All the family is welcome to attend and we provide light refreshments and toys for younger members of the family.

**Friday 5 November 2010**  
11.00am to 3.00pm

**Saturday 6 November 2010**  
11.00am to 4.00pm

at:  
**The Courtyard**  
**Boothferry Road**  
**East Riding of Yorkshire**  
**DN14 6AE**

## Introducing Goole Fields II Wind Farm

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We take the time to speak to and listen to the local residents around the site. We will keep our website up to date and send out newsletters, like this one, to local residents. We will also be holding a public exhibition, details of which you can find in this newsletter. These events are an opportunity for local residents to come to meet us, find out more about our proposals, ask questions about the project and find out more about wind energy in general. We also find these events to be an excellent way to listen to ideas and comments from the people who live in the local area. We take all comments into consideration and reflect many of them in our proposal.

If these assessments continue to show the site has the potential for a wind farm, we will submit a planning application to East Riding of Yorkshire Council. This will include the results of our studies in an Environmental Impact Assessment.

If the council agrees the site is suitable, Goole Fields II Wind Farm could supply a large number of homes with clean, renewable electricity. We estimate the site could be suitable for up to 20 wind turbines. The average annual generation expected at the site would be equivalent to the approximate domestic needs of up to 19,000 average UK households. That equates to providing green power for all the households in Goole more than twice over each year\*.



## Site statistics

**No. of wind turbines:**  
Maximum of 20 turbines

**Installed capacity of project:**  
Up to 40 megawatts

**Equivalent number of average homes supplied:**  
Up to 19,000 homes each year\*\*

**Height of turbines:**  
Up to 130 metres to the tip  
(highest point)

## Why Goole Fields II?

The selection of a wind farm site is a careful process. A site being windy does not necessarily make it an ideal location.

**The site must satisfy a number of criteria, which include:**

- a local electrical grid connection
- suitable separation distances from existing houses
- a good wind speed
- located in an area which will not have a detrimental impact on aviation safety
- located outside any nationally designated landscapes.

**RWE npower renewables has been investigating:**

- landscape and visual effects, i.e. how the turbines might look in the landscape and from local viewpoints
- noise - to ensure the wind farm will meet strict noise guidelines
- wildlife surveys - ensuring the proposal does not adversely affect local wildlife
- ground conditions and flood risk
- cultural heritage - including any potential impact on listed buildings and archaeology.

The results of our investigations to date confirm that Goole Fields II has the potential to be developed as a wind farm, and it is likely that we will submit a planning application to East Riding of Yorkshire Council before the end of this year.

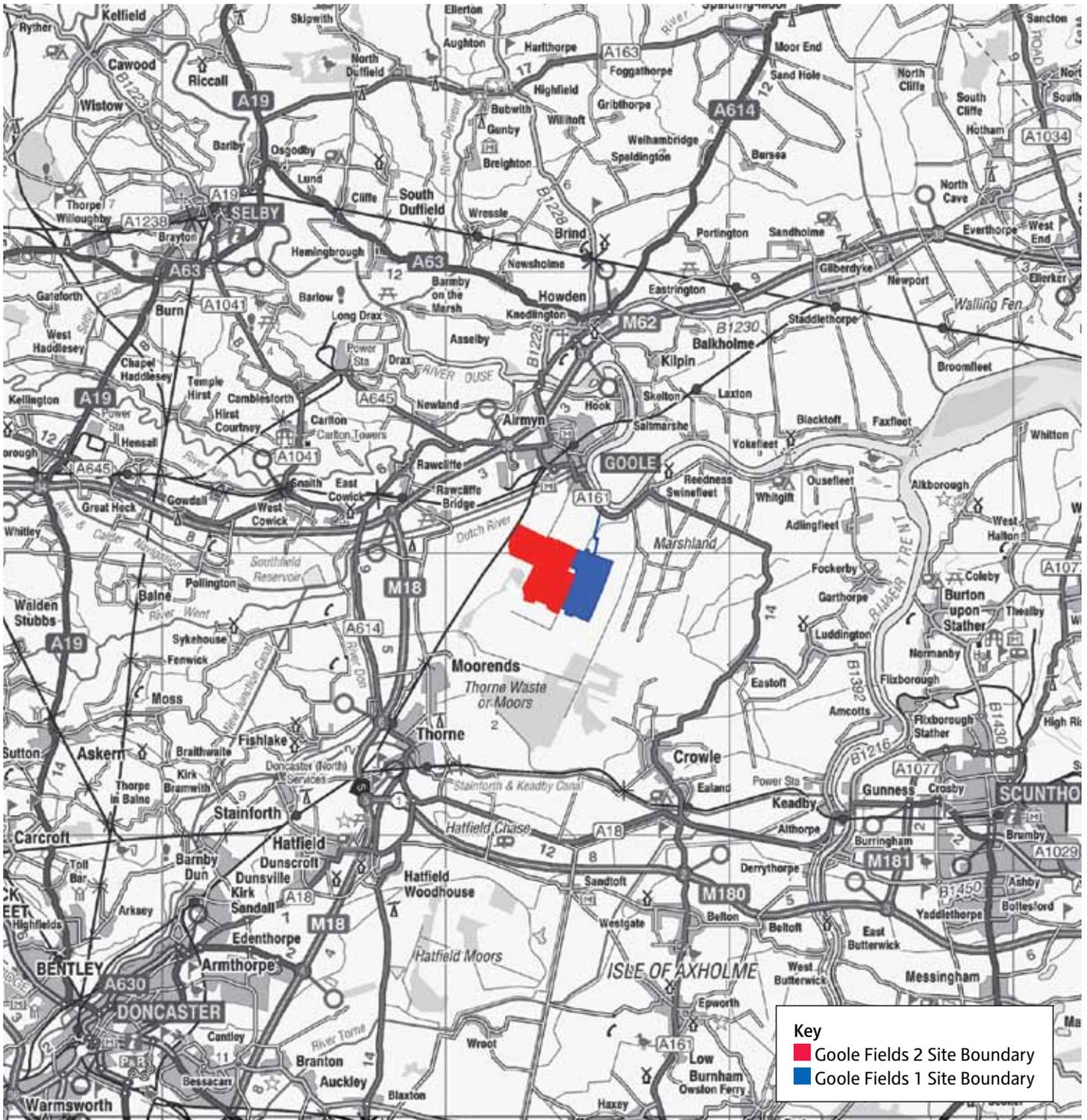
# Local benefits

RWE npower renewables offers a range of community benefit packages at our operating onshore and offshore wind farms. These usually benefit those communities living closest to the site.

These packages have been used to fund a wide variety of activities including community building refurbishments, environmental education programmes, energy efficiency schemes and supporting local groups and organisations. At the public exhibitions, we welcome your ideas for community benefits that would really make a difference.



# Site location



# Questions

## Why do anything?

By reducing our use of coal, oil and gas, we are making a valuable contribution to combating climate change. We are also reducing the UK's dependence on importing fossil fuels which can help reduce its vulnerability in terms of security and price increases in foreign markets. The UK has 40% of the European wind resource which puts us in a very strong position.

## Can farming continue on site?

Yes, normal agricultural activities can continue in between and right up to the turbine bases. Wind farms allow farmers to diversify and provide them with a much-needed additional source of income.

## Aren't they noisy?

If you stand at the base of a modern wind turbine, you can hold a normal conversation without difficulty. If you would like to try this for yourself or you have concerns about noise, please visit a wind farm. Noise levels are strictly regulated. Before planning permission can be granted for a wind farm, we have to show that it will adhere to the strict noise guidelines.

## Why not put them offshore?

Government policy is clear that both offshore and onshore wind farms are needed in order to achieve the UK's renewable energy objectives. RWE npower renewables have developed a number of operational offshore sites but the economics of the larger, more distant sites are still proving prohibitive.



## So why don't we just save energy instead?

To tackle climate change, we need to both reduce our use of electricity and generate more of the electricity we need in a clean and renewable way. For more information, see [www.energysavingtrust.co.uk](http://www.energysavingtrust.co.uk)



## RWE npower renewables

RWE npower renewables is the UK division of European renewable energy business RWE Innogy, and is a developer and operator of renewable power projects.

We are committed to developing, building and operating onshore and offshore wind farms and hydroelectric power stations, producing renewable electricity for use in UK homes and businesses. We are also working with marine energy technology partners to deliver new wave and tidal stream power projects in the UK.

If you would like this newsletter in larger print please contact us on 01793 474276

This booklet is printed on paper which is made from FSC certified pulp and has been printed using vegetable inks.

### Footnotes:

\* Census 2001

\*\* The predicted annual generation at the site has been calculated based on performance data for wind farms already operating in England and supported by RWE npower renewables wind monitoring measurements in the area. Should site wind and turbine characteristics result in similar output levels to these operational sites we can expect Goole Fields II Wind Farm to generate an amount of electricity equivalent to supplying the approximate domestic needs of around 19,000 average UK households each year.

Energy predicted to be generated by the proposal has been

calculated using an assumed capacity factor of 26% (DTI Energy Trends UK regional capacity factors 1998-2004), and is based on an installed capacity of 40 MW. The energy capture predicted and hence derived homes equivalent or emissions savings figures may change as site specific information is gathered.

Equivalent homes supplied is based on an annual electricity consumption per home of 4700 kWh. This figure is supported by recent domestic electricity consumption data available from The Digest of UK Energy Statistics and household estimates and projections from the UK Statistics Authority.

## More information

If you would like more information about wind energy, visit the Department of Energy and Climate Change website at: [www.decc.gov.uk](http://www.decc.gov.uk) or Renewable UK at: [www.bwea.com](http://www.bwea.com)

## Contact us

We hope you can attend our public exhibition. If you would like more information about the wind farm proposal or RWE npower renewables, please contact us:

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Information about Goole Fields II Wind farm is also available on our website at: [www.npower-renewables.com](http://www.npower-renewables.com)